

Pantheon Report

Generated at 2020-02-17 23:54:41 (UTC).

Data path: AWS Brazil 1 on `ens5` (*local*) →Brazil on `p4p1` (*remote*).

Repeated the test of 24 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

System info:

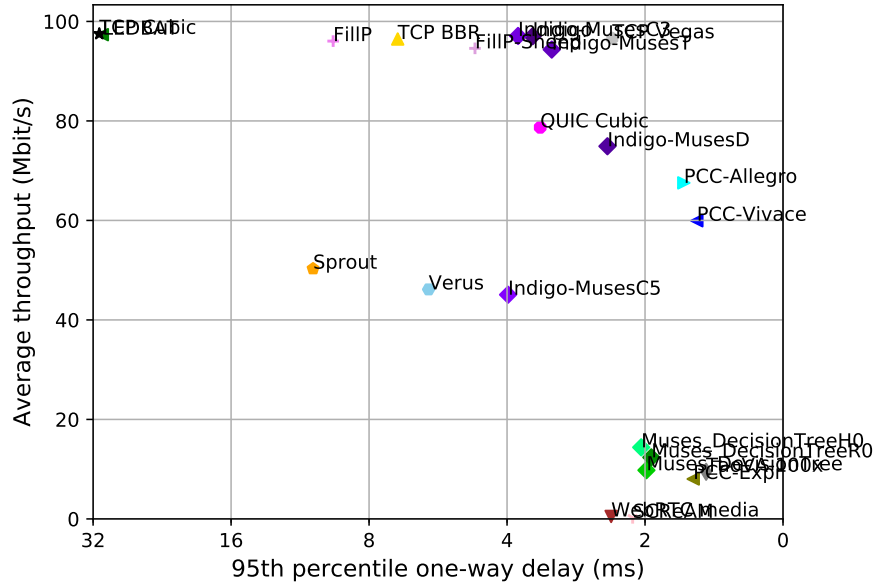
```
Linux 4.15.0-1056-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

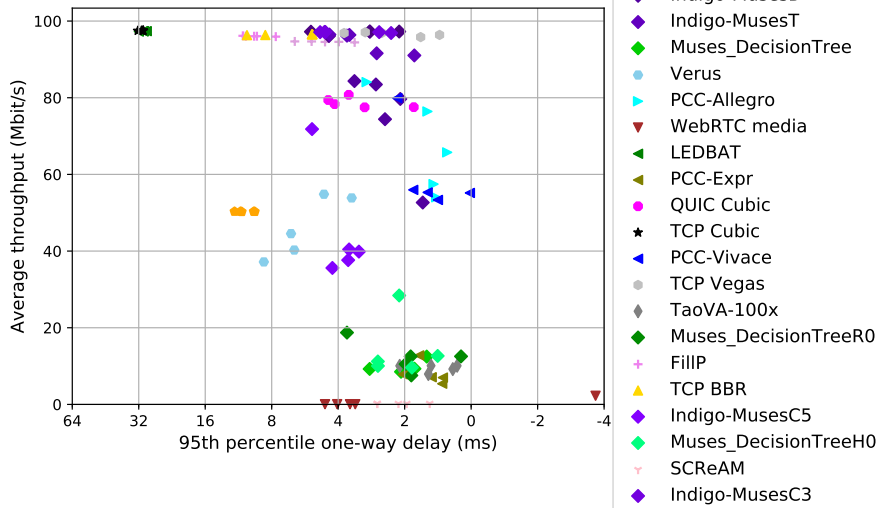
```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
```

third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

test from AWS Brazil 1 to Brazil, 5 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS Brazil 1 to Brazil, 5 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s)	mean 95th-%ile delay (ms)	mean loss rate (%)
		flow 1	flow 1	flow 1
TCP BBR	5	96.47	6.93	0.00
Copa	0	N/A	N/A	N/A
TCP Cubic	5	97.51	31.01	0.01
FillP	5	96.05	9.58	0.31
FillP-Sheep	5	94.59	4.70	0.08
Indigo	5	97.02	3.52	0.00
Indigo-MusesC3	5	97.08	3.79	0.00
Indigo-MusesC5	5	45.07	3.98	0.00
Indigo-MusesD	5	74.91	2.42	0.00
Indigo-MusesT	5	94.34	3.20	0.00
LEDBAT	5	97.34	30.55	0.01
Muses_DecisionTree	5	9.79	1.98	0.00
Muses_DecisionTreeH0	5	14.39	2.04	0.00
Muses_DecisionTreeR0	5	12.38	1.91	0.00
PCC-Allegro	5	67.55	1.44	0.00
PCC-Expr	5	8.03	1.30	9.46
QUIC Cubic	5	78.71	3.39	0.33
SCReAM	5	0.22	2.13	0.03
Sprout	5	50.30	10.60	0.00
TaoVA-100x	5	9.48	1.11	78.91
TCP Vegas	5	96.61	2.36	0.00
Verus	5	46.14	5.93	1.45
PCC-Vivace	5	59.93	1.25	0.00
WebRTC media	5	0.50	2.37	0.00

Run 1: Statistics of TCP BBR

Start at: 2020-02-17 21:35:12
End at: 2020-02-17 21:35:42
Local clock offset: -9.835 ms
Remote clock offset: -0.515 ms

Below is generated by plot.py at 2020-02-17 23:45:02

Datalink statistics

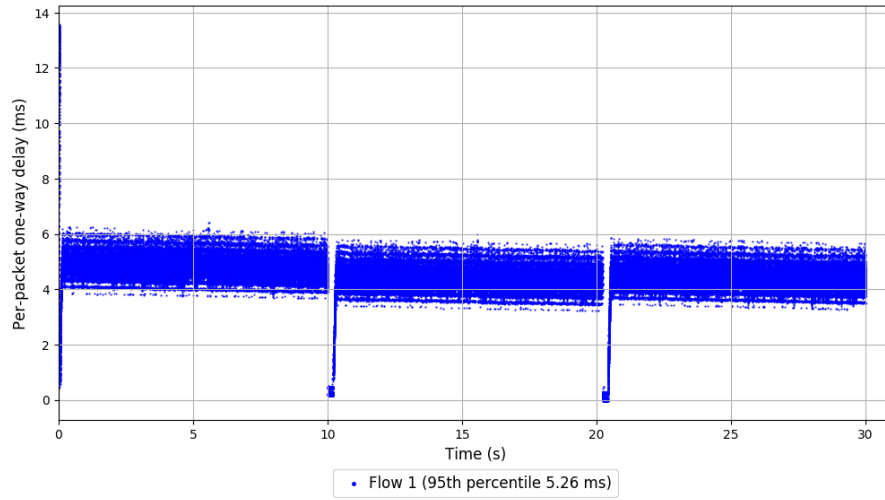
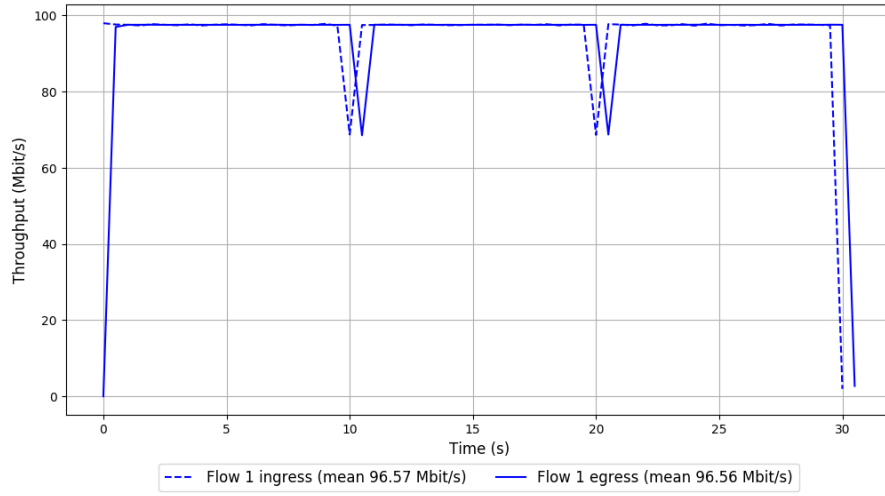
-- Total of 1 flow:

Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 5.265 ms
Loss rate: 0.00%

-- Flow 1:

Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 5.265 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2020-02-17 22:01:50

End at: 2020-02-17 22:02:20

Local clock offset: -14.701 ms

Remote clock offset: -0.175 ms

Below is generated by plot.py at 2020-02-17 23:45:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 5.244 ms

Loss rate: 0.00%

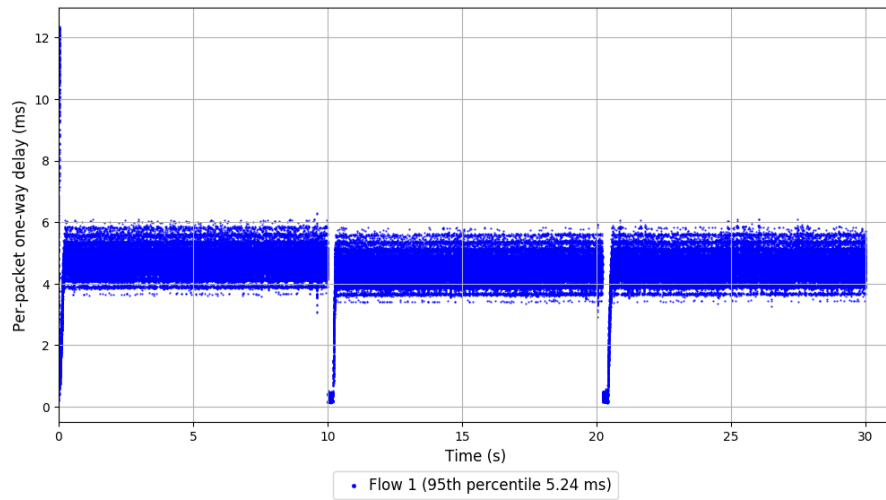
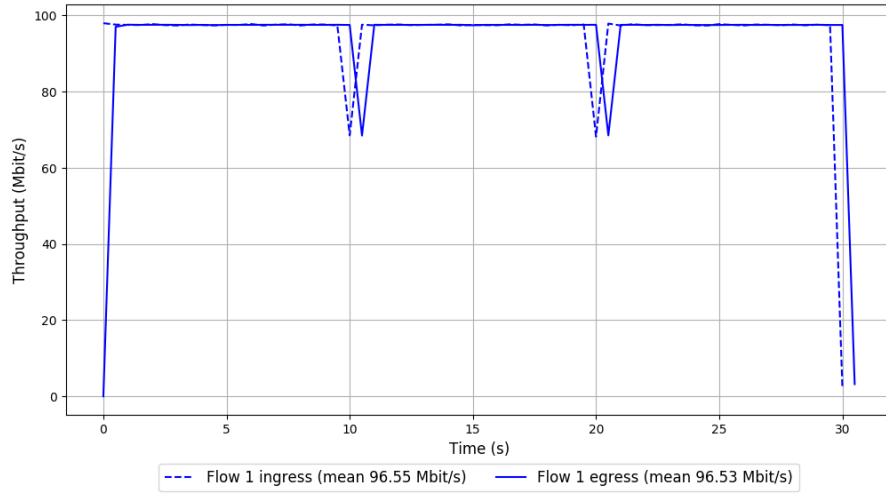
-- Flow 1:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 5.244 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

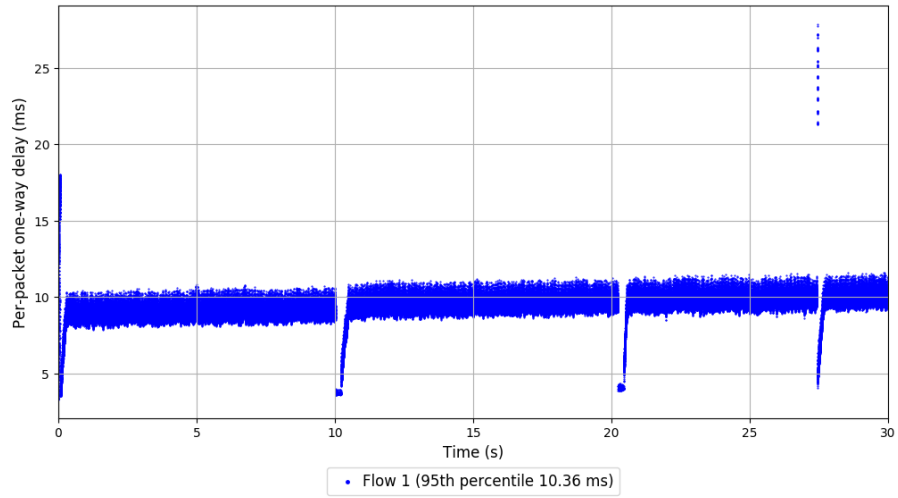
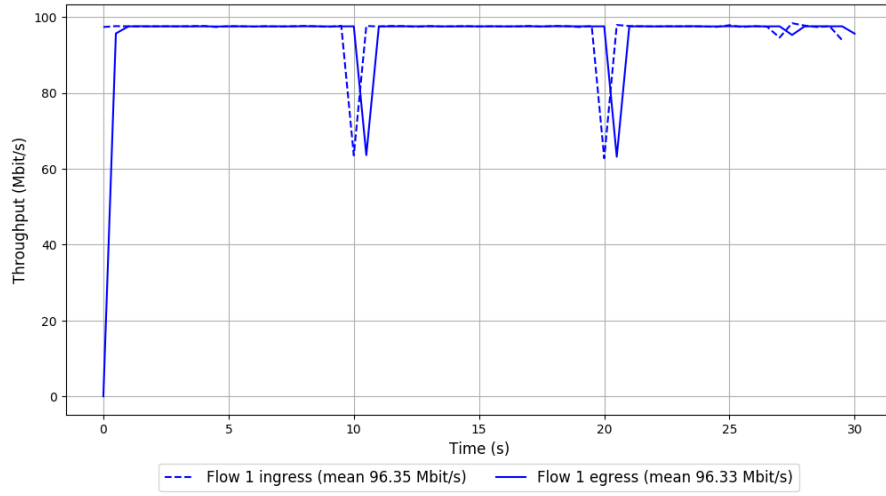


Run 3: Statistics of TCP BBR

Start at: 2020-02-17 22:28:30
End at: 2020-02-17 22:29:00
Local clock offset: -25.477 ms
Remote clock offset: 0.053 ms

Below is generated by plot.py at 2020-02-17 23:45:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 10.355 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 10.355 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2020-02-17 22:55:08

End at: 2020-02-17 22:55:38

Local clock offset: -15.645 ms

Remote clock offset: 0.256 ms

Below is generated by plot.py at 2020-02-17 23:45:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 8.550 ms

Loss rate: 0.01%

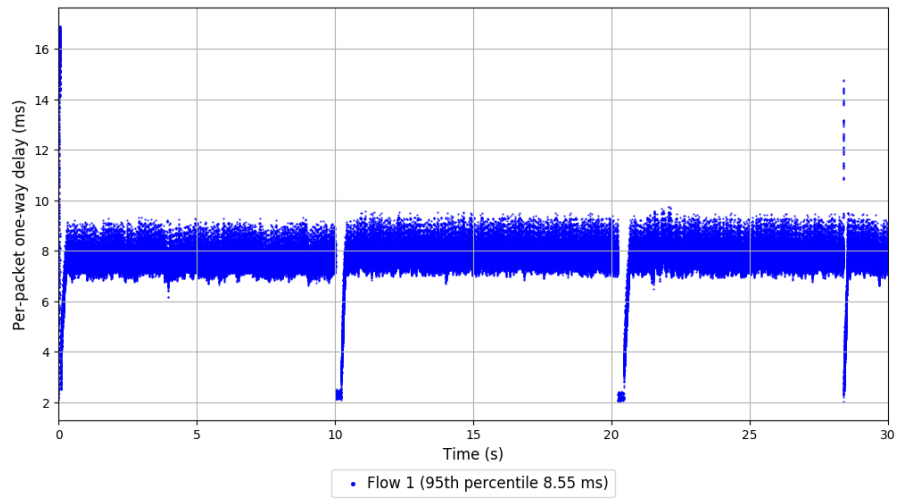
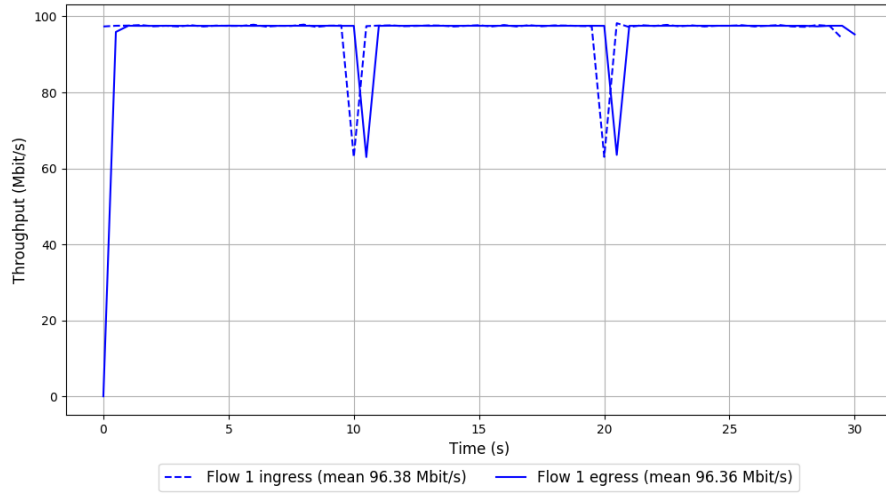
-- Flow 1:

Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 8.550 ms

Loss rate: 0.01%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2020-02-17 23:21:46

End at: 2020-02-17 23:22:16

Local clock offset: -9.542 ms

Remote clock offset: 0.461 ms

Below is generated by plot.py at 2020-02-17 23:45:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.56 Mbit/s

95th percentile per-packet one-way delay: 5.228 ms

Loss rate: 0.00%

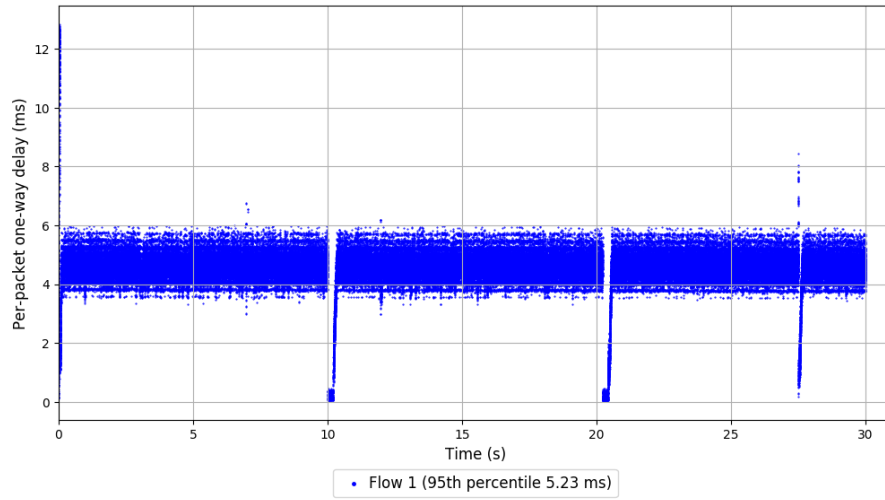
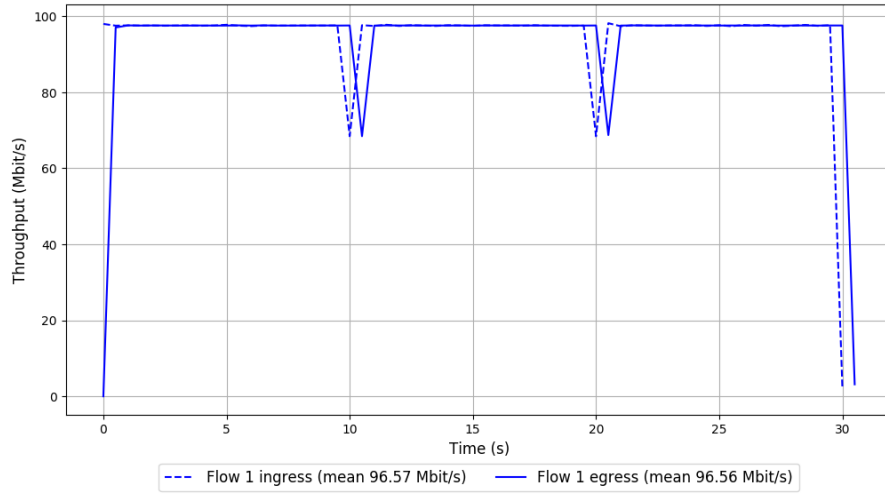
-- Flow 1:

Average throughput: 96.56 Mbit/s

95th percentile per-packet one-way delay: 5.228 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

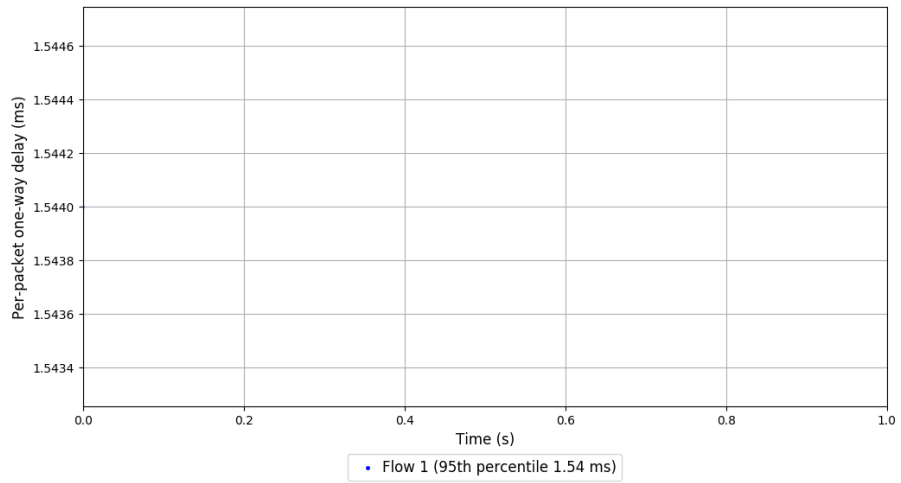
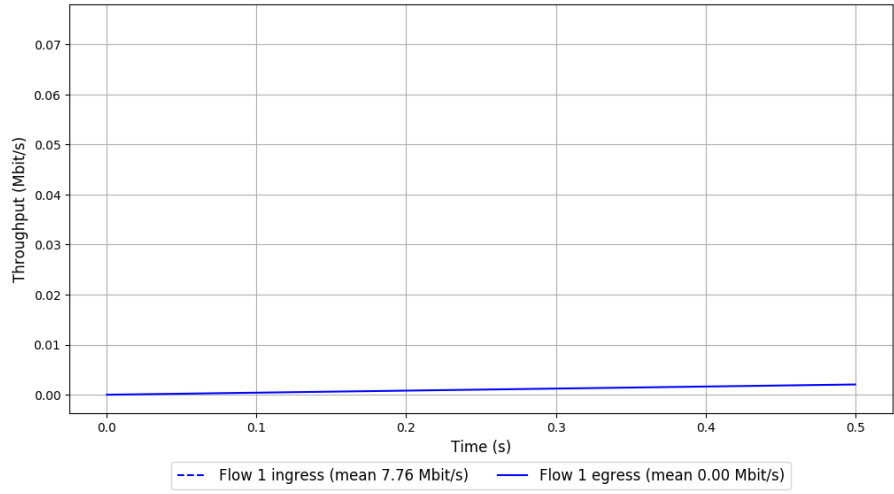
Start at: 2020-02-17 21:36:20

End at: 2020-02-17 21:36:50

Local clock offset: -10.527 ms

Remote clock offset: -0.406 ms

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

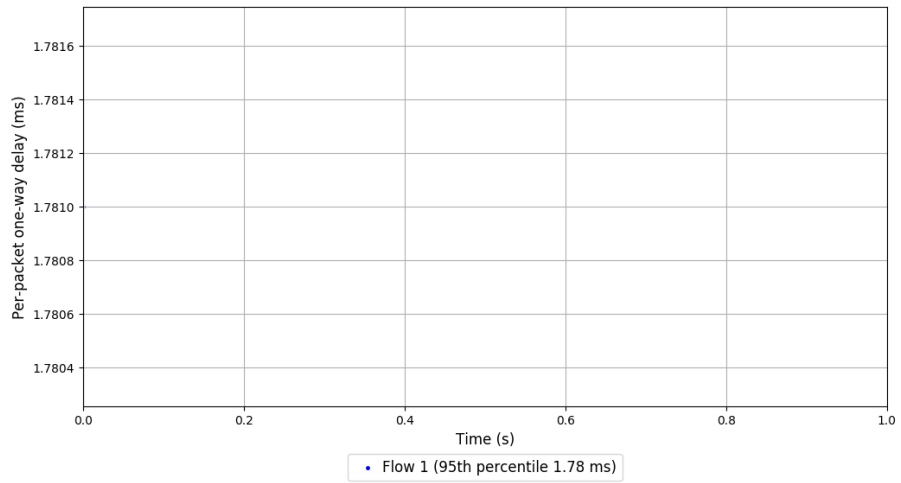
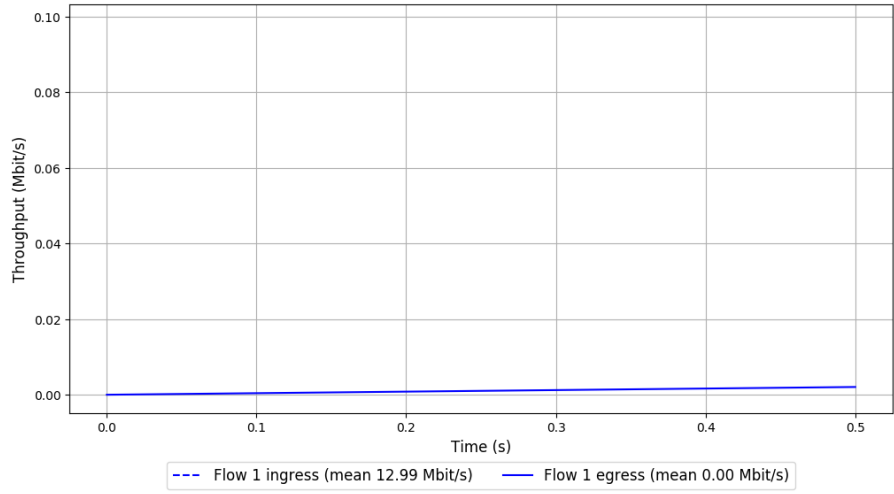
Start at: 2020-02-17 22:02:58

End at: 2020-02-17 22:03:28

Local clock offset: -14.619 ms

Remote clock offset: -0.169 ms

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

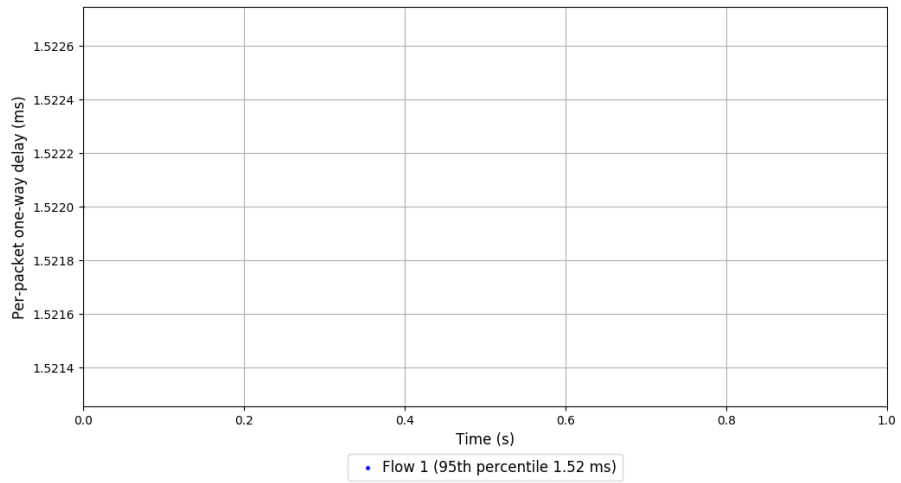
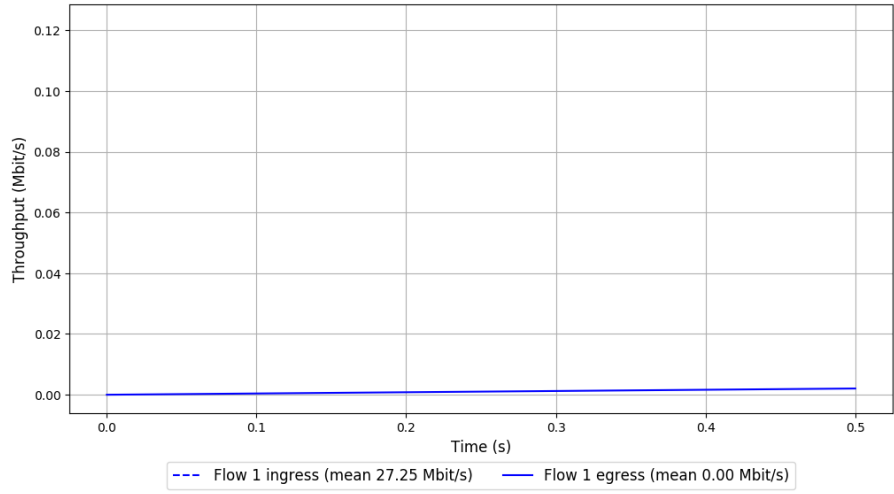
Start at: 2020-02-17 22:29:38

End at: 2020-02-17 22:30:08

Local clock offset: -22.949 ms

Remote clock offset: 0.128 ms

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

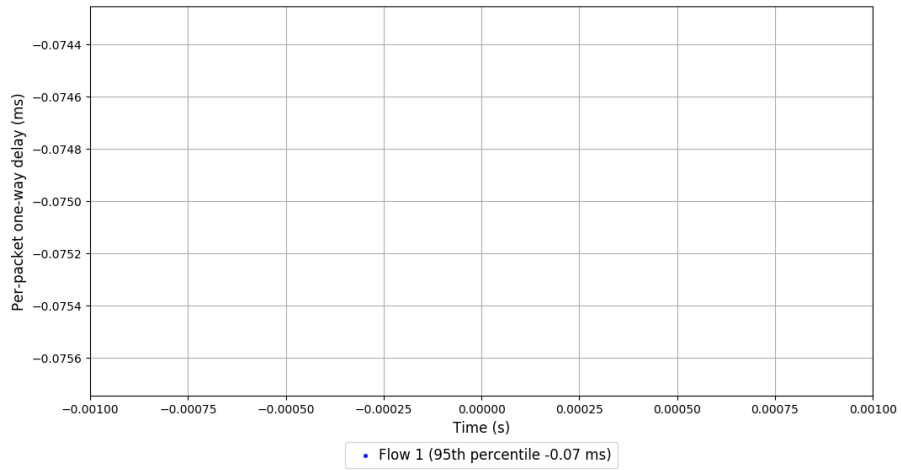
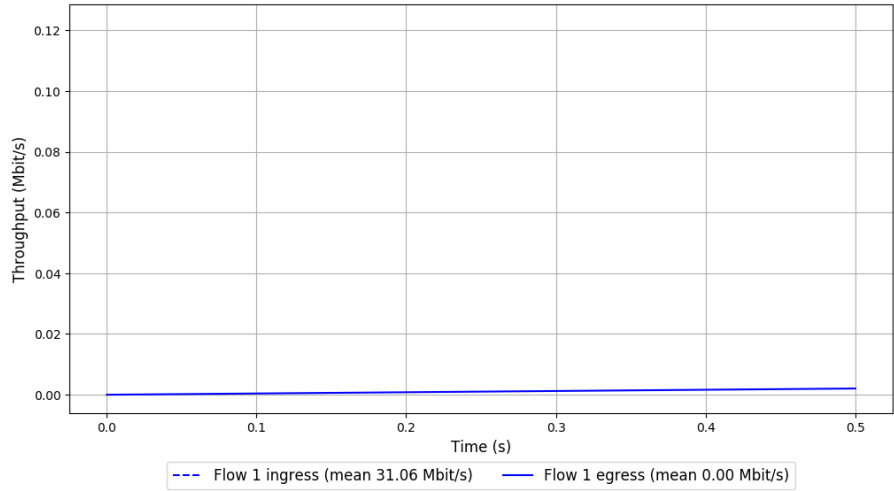
Start at: 2020-02-17 22:56:16

End at: 2020-02-17 22:56:46

Local clock offset: -15.166 ms

Remote clock offset: 0.336 ms

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

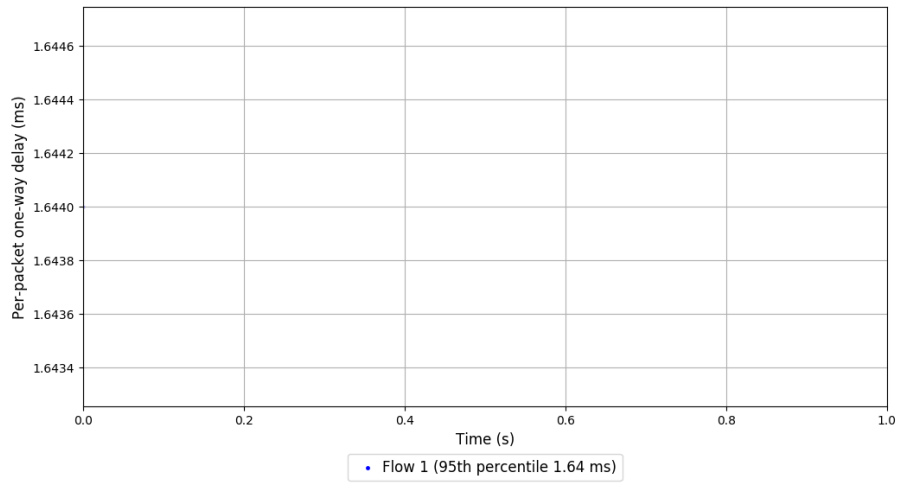
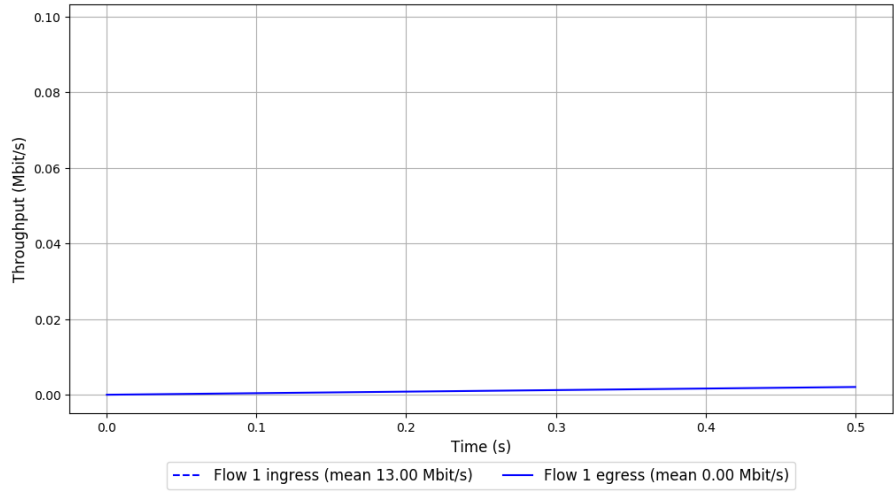
Start at: 2020-02-17 23:22:54

End at: 2020-02-17 23:23:24

Local clock offset: -9.686 ms

Remote clock offset: 0.401 ms

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2020-02-17 21:49:33
End at: 2020-02-17 21:50:03
Local clock offset: -12.381 ms
Remote clock offset: -0.223 ms

Below is generated by plot.py at 2020-02-17 23:45:03

Datalink statistics

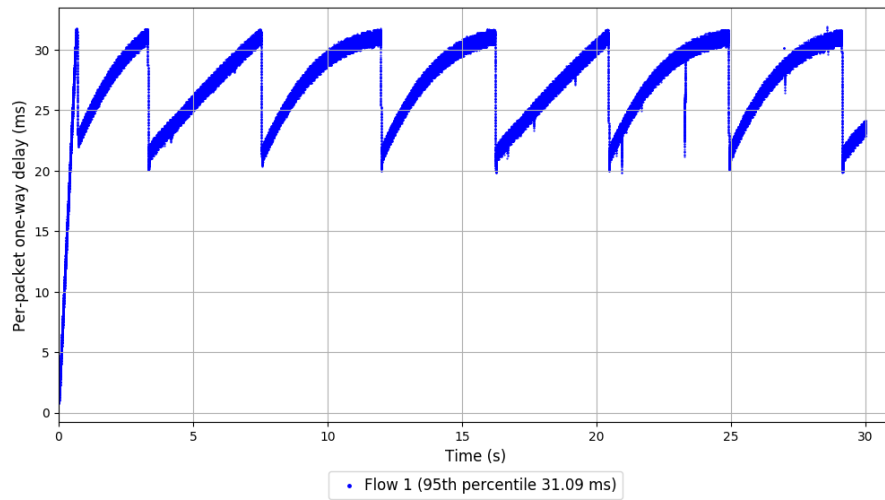
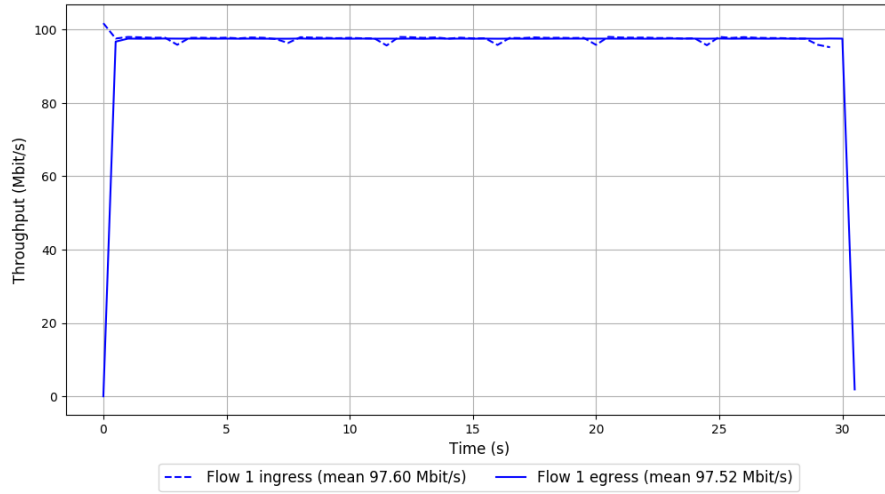
-- Total of 1 flow:

Average throughput: 97.52 Mbit/s
95th percentile per-packet one-way delay: 31.092 ms
Loss rate: 0.01%

-- Flow 1:

Average throughput: 97.52 Mbit/s
95th percentile per-packet one-way delay: 31.092 ms
Loss rate: 0.01%

Run 1: Report of TCP Cubic — Data Link

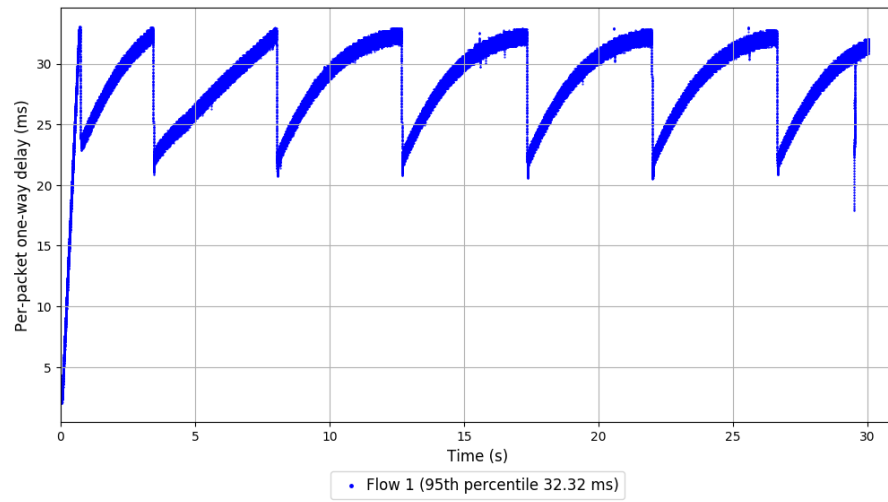
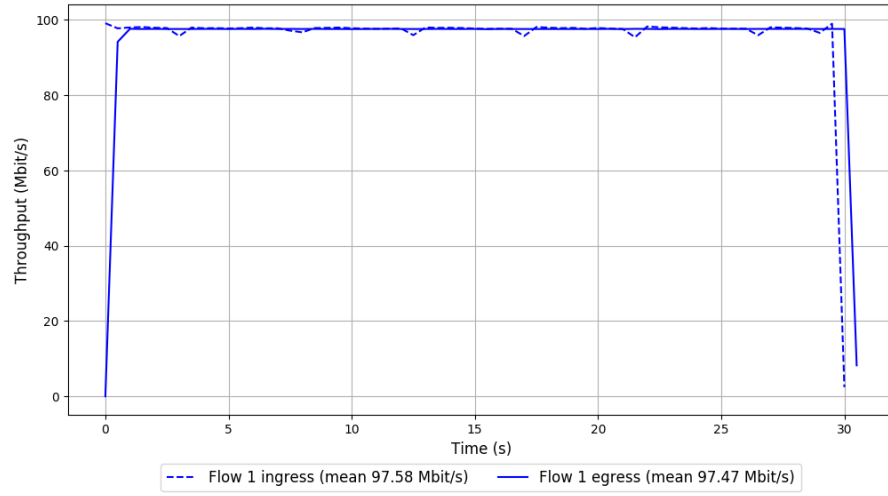


Run 2: Statistics of TCP Cubic

Start at: 2020-02-17 22:16:12
End at: 2020-02-17 22:16:42
Local clock offset: -19.371 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2020-02-17 23:45:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.317 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.317 ms
Loss rate: 0.01%

Run 2: Report of TCP Cubic — Data Link

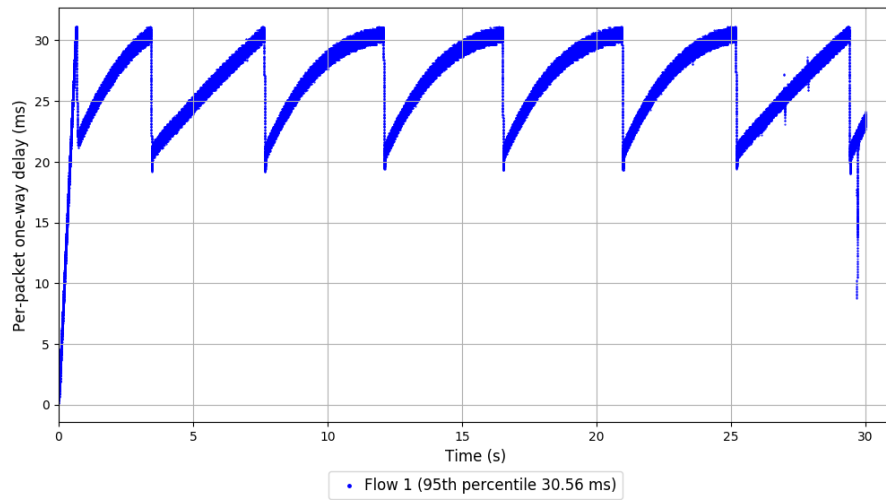
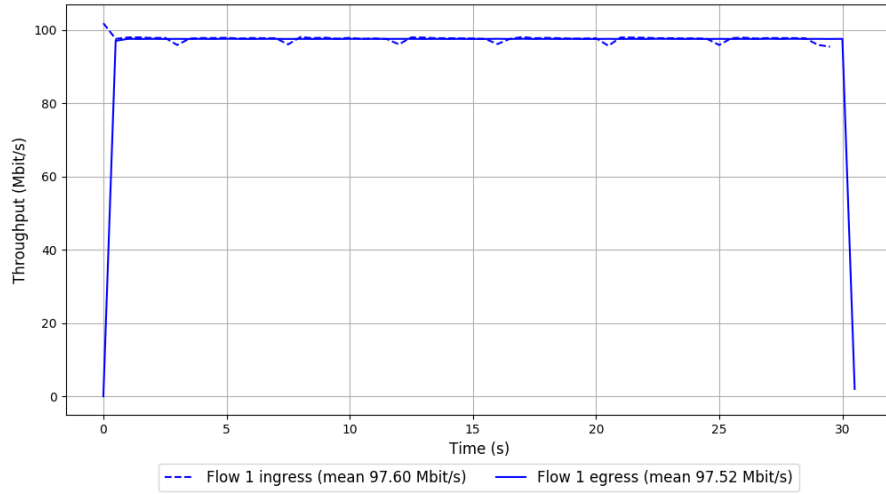


Run 3: Statistics of TCP Cubic

Start at: 2020-02-17 22:42:52
End at: 2020-02-17 22:43:22
Local clock offset: -13.388 ms
Remote clock offset: 0.249 ms

Below is generated by plot.py at 2020-02-17 23:45:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.52 Mbit/s
95th percentile per-packet one-way delay: 30.559 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.52 Mbit/s
95th percentile per-packet one-way delay: 30.559 ms
Loss rate: 0.01%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2020-02-17 23:09:30

End at: 2020-02-17 23:10:00

Local clock offset: -9.483 ms

Remote clock offset: 0.379 ms

Below is generated by plot.py at 2020-02-17 23:46:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.52 Mbit/s

95th percentile per-packet one-way delay: 30.575 ms

Loss rate: 0.01%

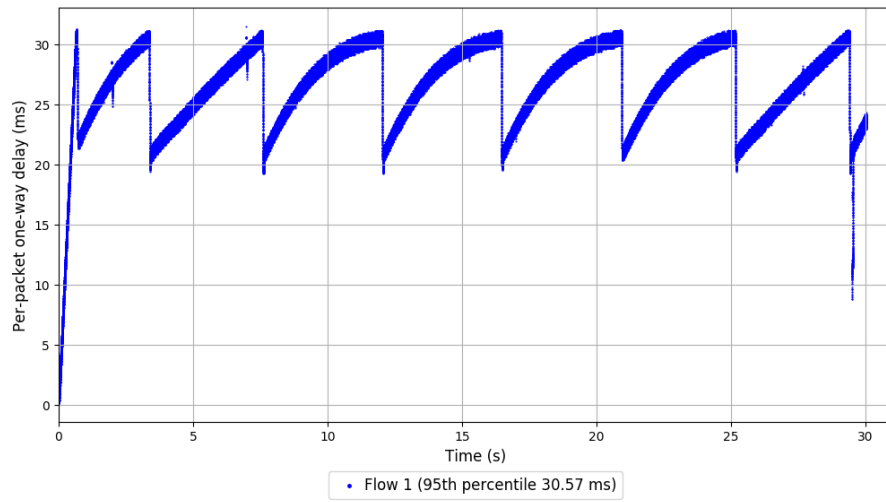
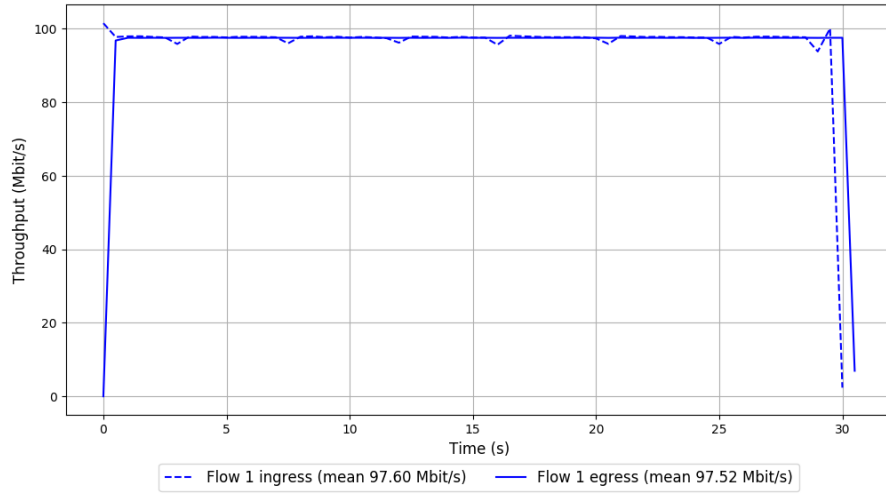
-- Flow 1:

Average throughput: 97.52 Mbit/s

95th percentile per-packet one-way delay: 30.575 ms

Loss rate: 0.01%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2020-02-17 23:36:09

End at: 2020-02-17 23:36:39

Local clock offset: -7.443 ms

Remote clock offset: 0.43 ms

Below is generated by plot.py at 2020-02-17 23:46:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.51 Mbit/s

95th percentile per-packet one-way delay: 30.530 ms

Loss rate: 0.01%

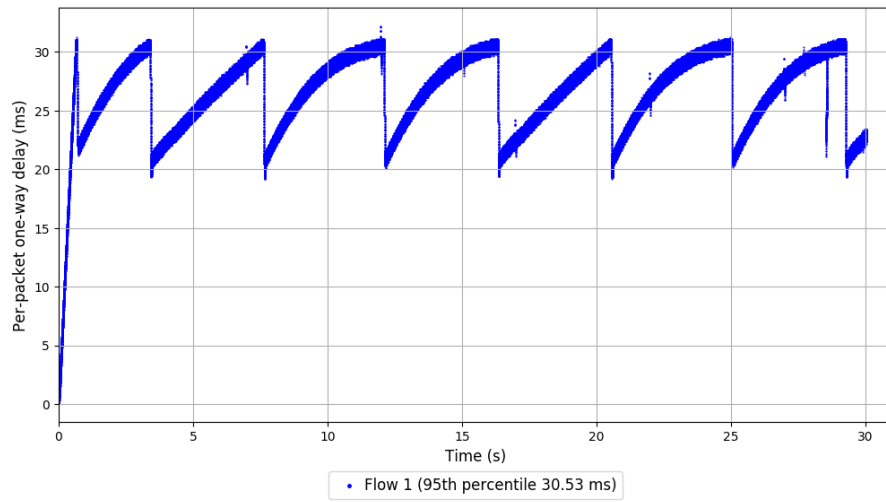
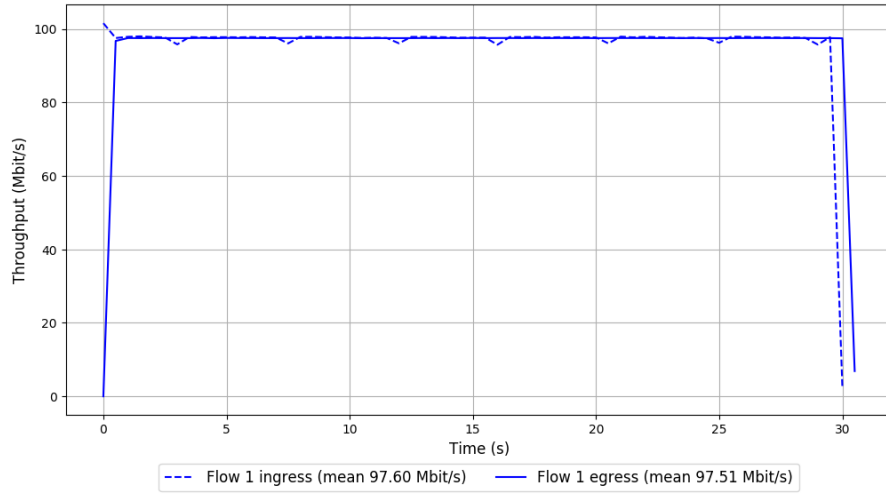
-- Flow 1:

Average throughput: 97.51 Mbit/s

95th percentile per-packet one-way delay: 30.530 ms

Loss rate: 0.01%

Run 5: Report of TCP Cubic — Data Link

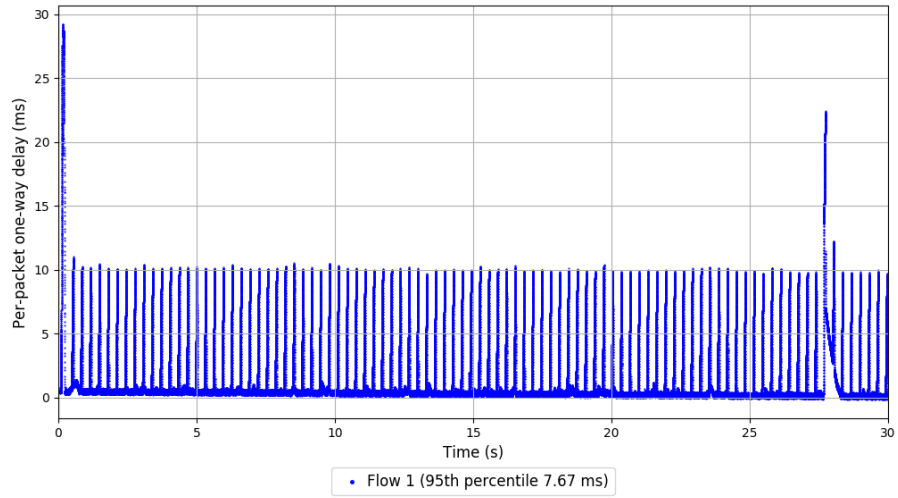
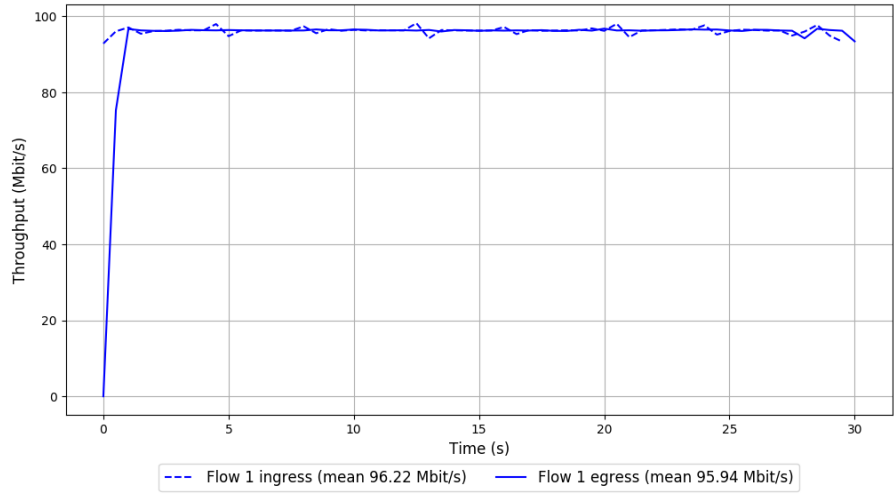


Run 1: Statistics of FillP

Start at: 2020-02-17 21:42:59
End at: 2020-02-17 21:43:29
Local clock offset: -11.051 ms
Remote clock offset: -0.438 ms

Below is generated by plot.py at 2020-02-17 23:46:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 7.668 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 7.668 ms
Loss rate: 0.29%

Run 1: Report of FillP — Data Link

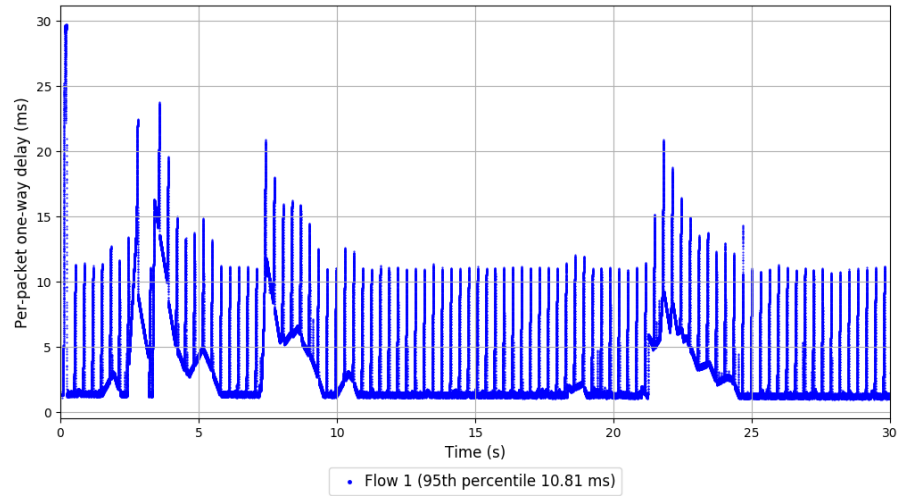
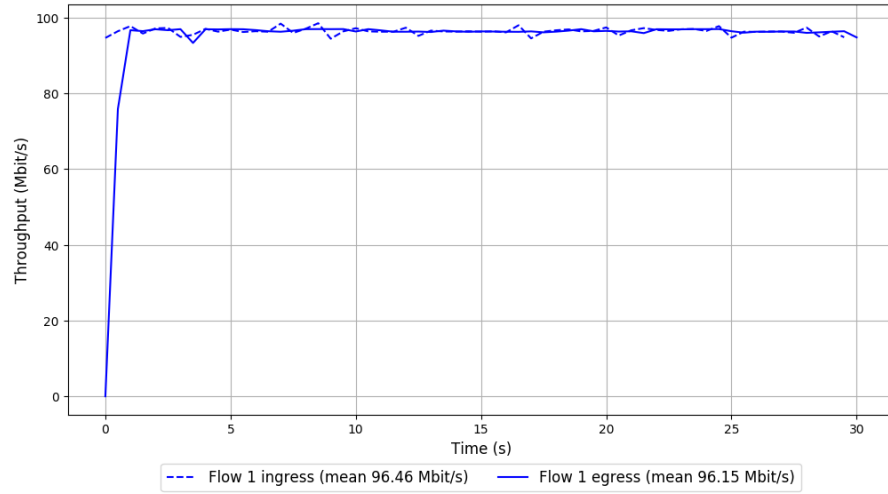


Run 2: Statistics of FillP

Start at: 2020-02-17 22:09:37
End at: 2020-02-17 22:10:07
Local clock offset: -15.672 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2020-02-17 23:46:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.15 Mbit/s
95th percentile per-packet one-way delay: 10.806 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 96.15 Mbit/s
95th percentile per-packet one-way delay: 10.806 ms
Loss rate: 0.32%

Run 2: Report of FillP — Data Link

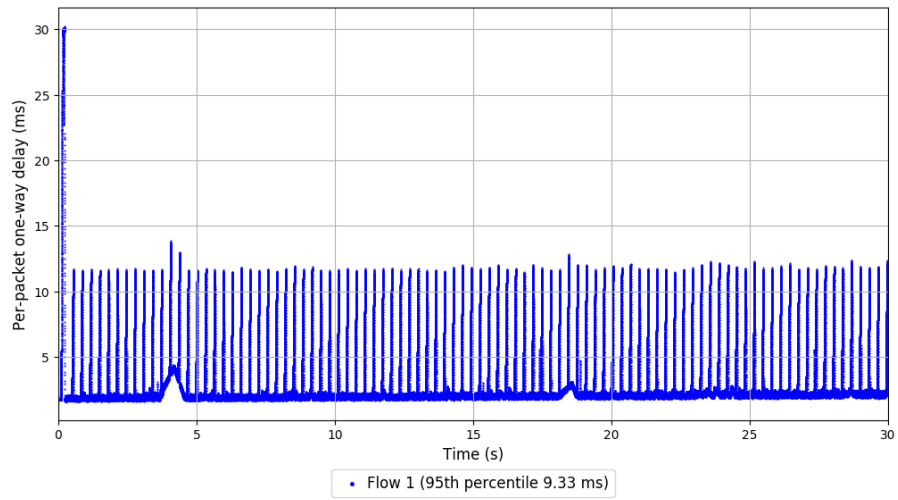
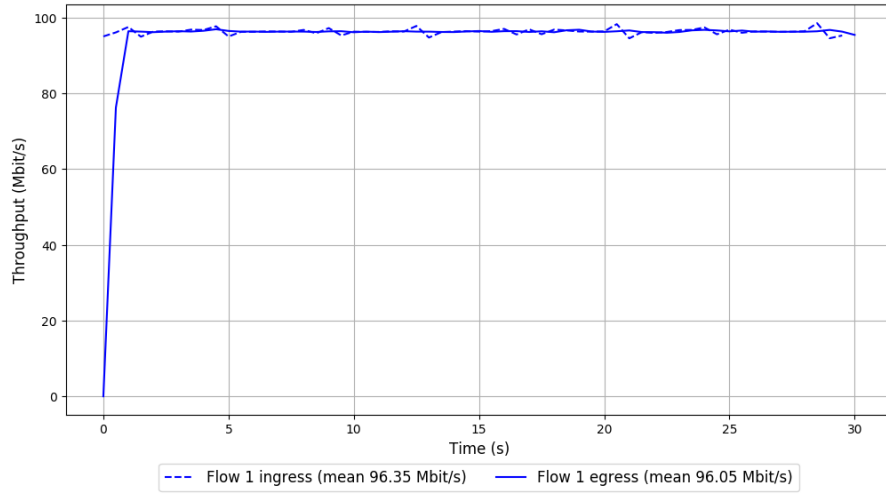


Run 3: Statistics of FillP

Start at: 2020-02-17 22:36:17
End at: 2020-02-17 22:36:47
Local clock offset: -15.345 ms
Remote clock offset: 0.162 ms

Below is generated by plot.py at 2020-02-17 23:46:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 9.334 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 9.334 ms
Loss rate: 0.32%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2020-02-17 23:02:55

End at: 2020-02-17 23:03:25

Local clock offset: -11.74 ms

Remote clock offset: 0.208 ms

Below is generated by plot.py at 2020-02-17 23:46:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 9.612 ms

Loss rate: 0.32%

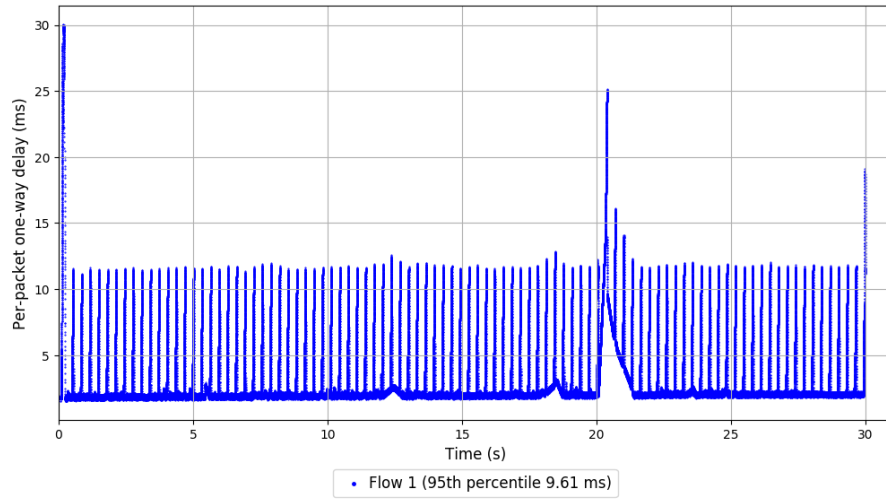
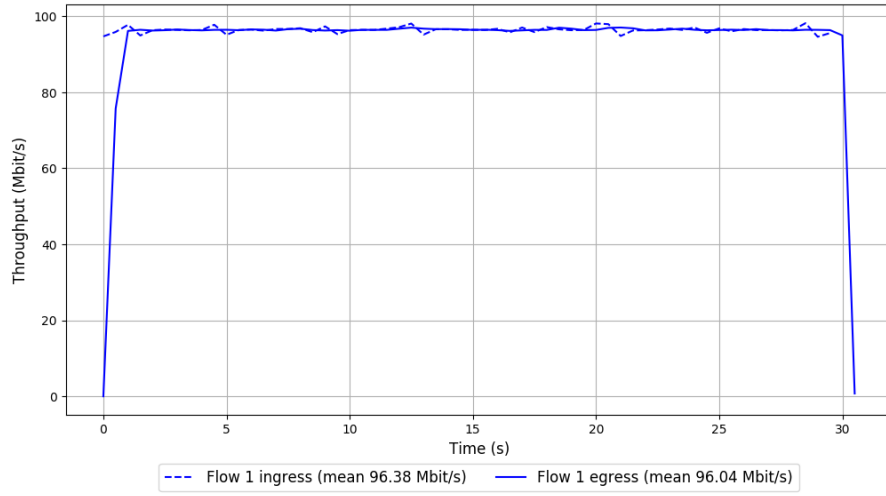
-- Flow 1:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 9.612 ms

Loss rate: 0.32%

Run 4: Report of FillP — Data Link

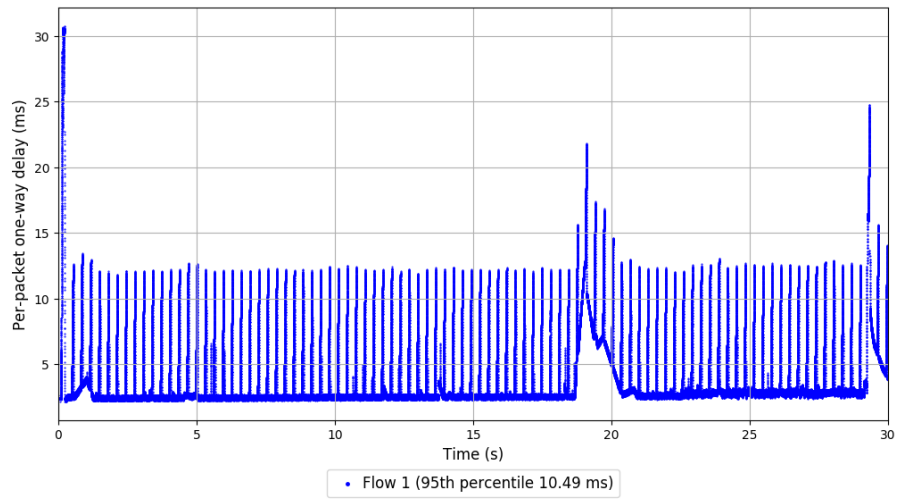
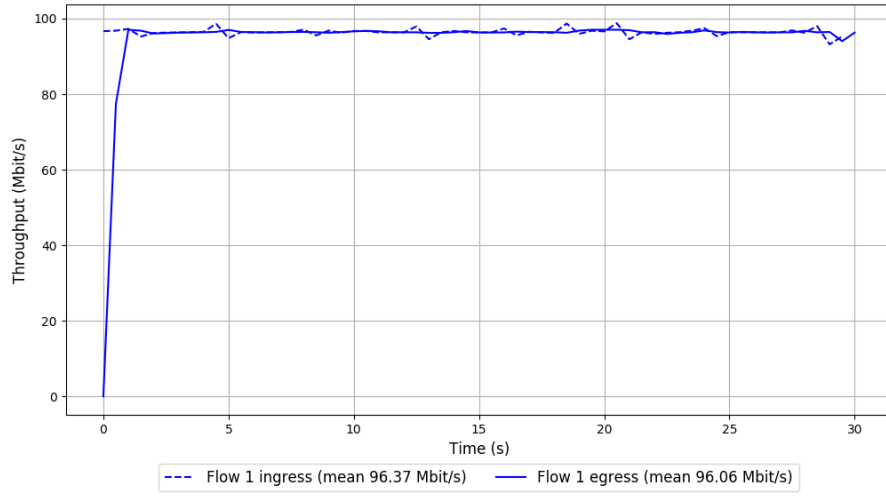


Run 5: Statistics of FillP

Start at: 2020-02-17 23:29:34
End at: 2020-02-17 23:30:04
Local clock offset: -10.172 ms
Remote clock offset: 0.422 ms

Below is generated by plot.py at 2020-02-17 23:46:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.06 Mbit/s
95th percentile per-packet one-way delay: 10.487 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 96.06 Mbit/s
95th percentile per-packet one-way delay: 10.487 ms
Loss rate: 0.32%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2020-02-17 21:31:52

End at: 2020-02-17 21:32:22

Local clock offset: -8.581 ms

Remote clock offset: -0.516 ms

Below is generated by plot.py at 2020-02-17 23:46:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.68 Mbit/s

95th percentile per-packet one-way delay: 5.277 ms

Loss rate: 0.08%

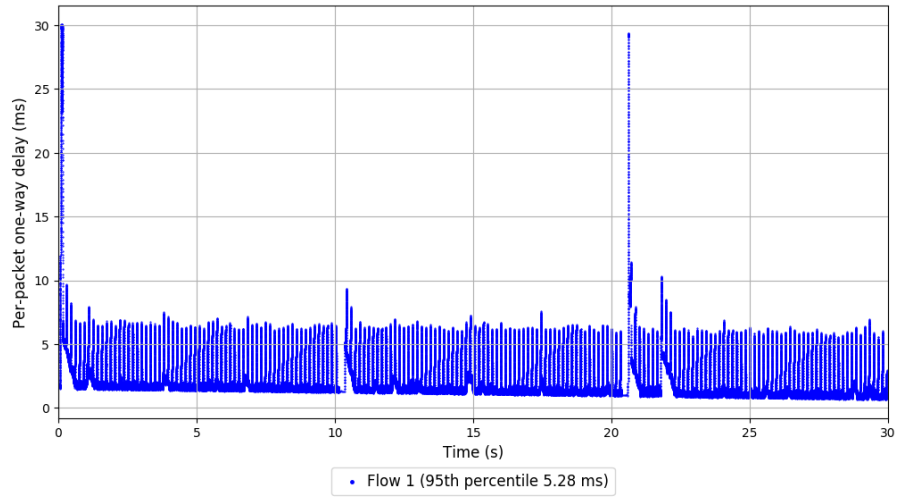
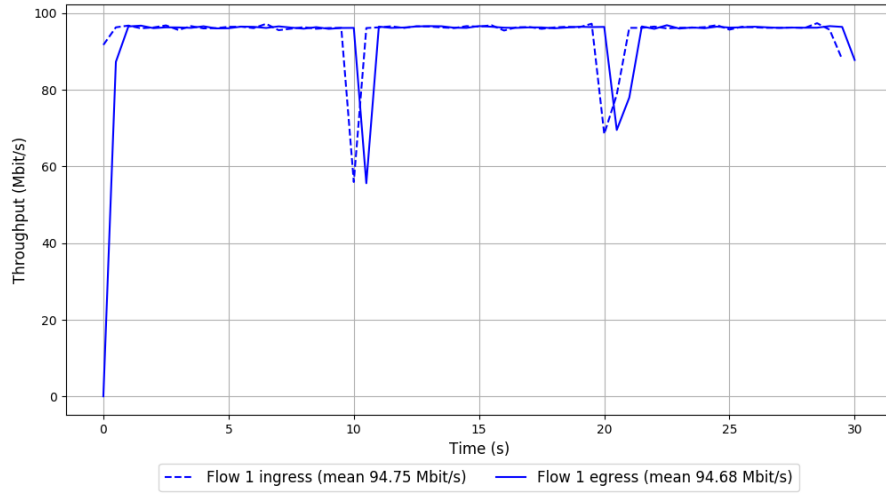
-- Flow 1:

Average throughput: 94.68 Mbit/s

95th percentile per-packet one-way delay: 5.277 ms

Loss rate: 0.08%

Run 1: Report of FillP-Sheep — Data Link

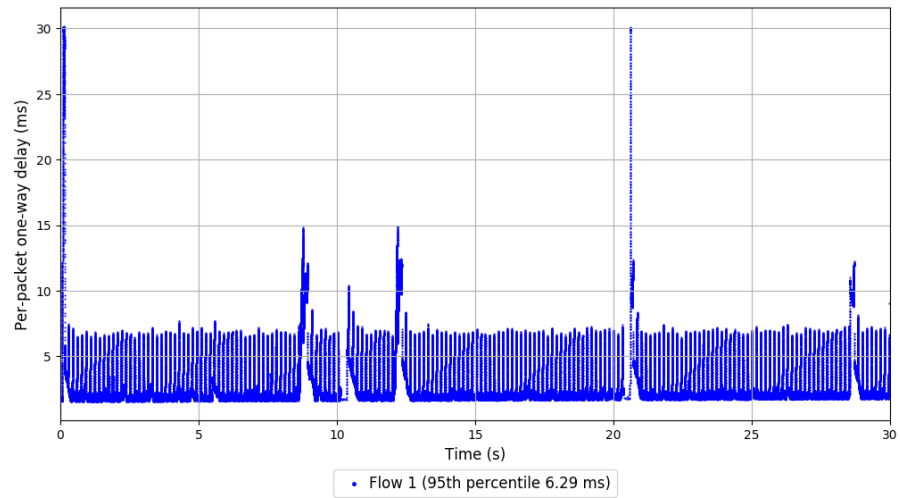
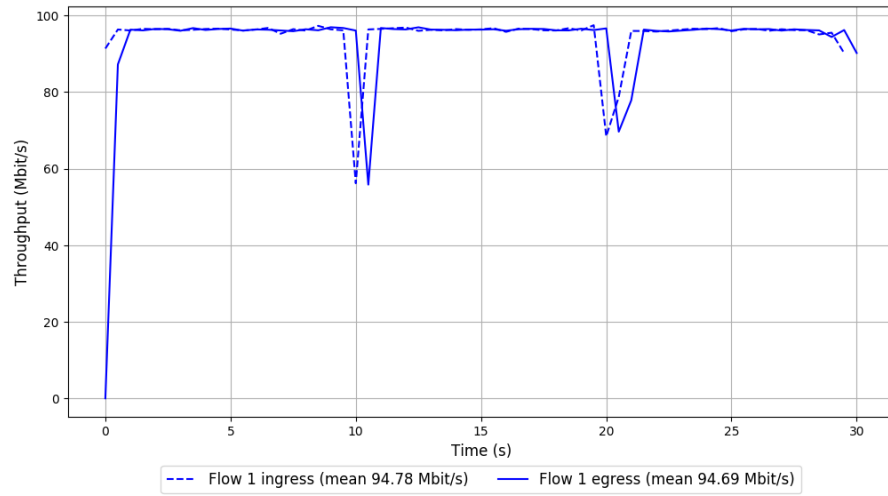


Run 2: Statistics of FillP-Sheep

Start at: 2020-02-17 21:58:29
End at: 2020-02-17 21:58:59
Local clock offset: -15.676 ms
Remote clock offset: -0.179 ms

Below is generated by plot.py at 2020-02-17 23:47:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 6.289 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 6.289 ms
Loss rate: 0.07%

Run 2: Report of FillP-Sheep — Data Link

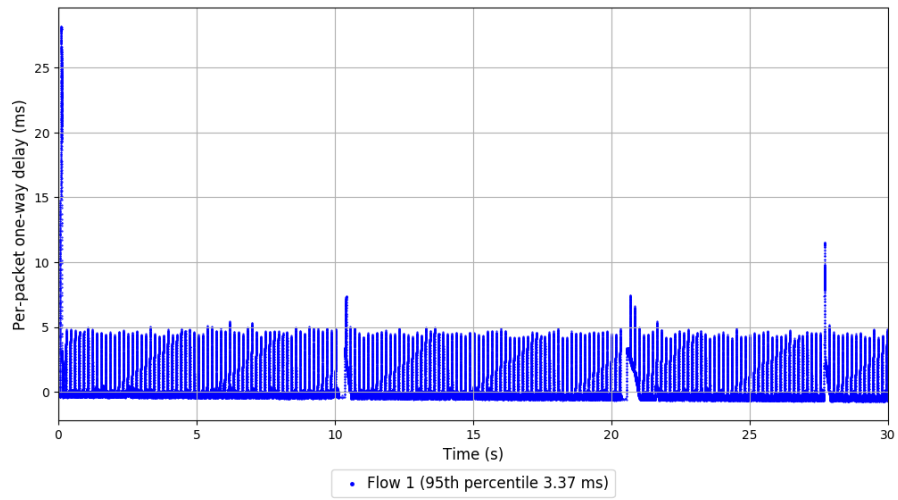
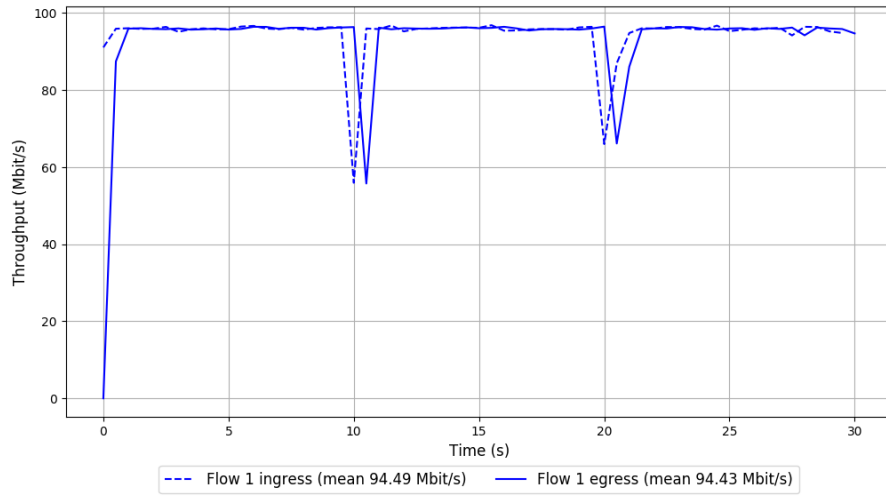


Run 3: Statistics of FillP-Sheep

Start at: 2020-02-17 22:25:09
End at: 2020-02-17 22:25:39
Local clock offset: -23.651 ms
Remote clock offset: 0.023 ms

Below is generated by plot.py at 2020-02-17 23:47:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 3.369 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 3.369 ms
Loss rate: 0.06%

Run 3: Report of FillP-Sheep — Data Link

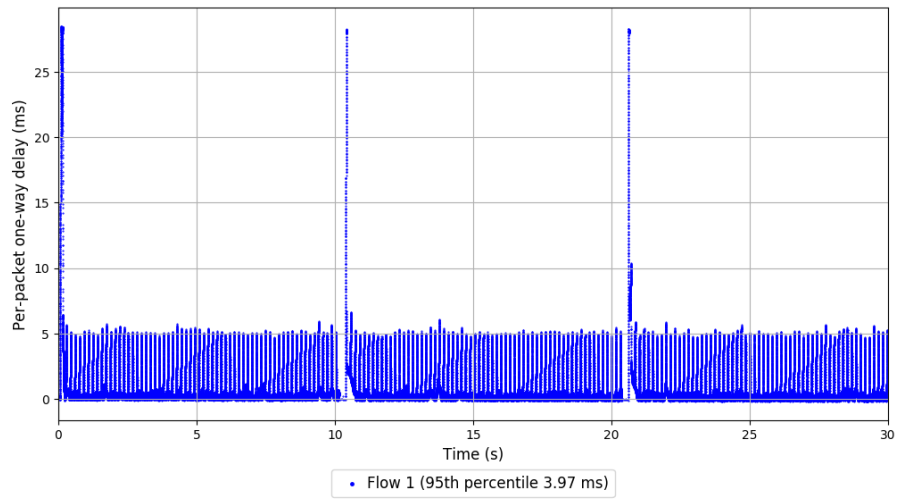
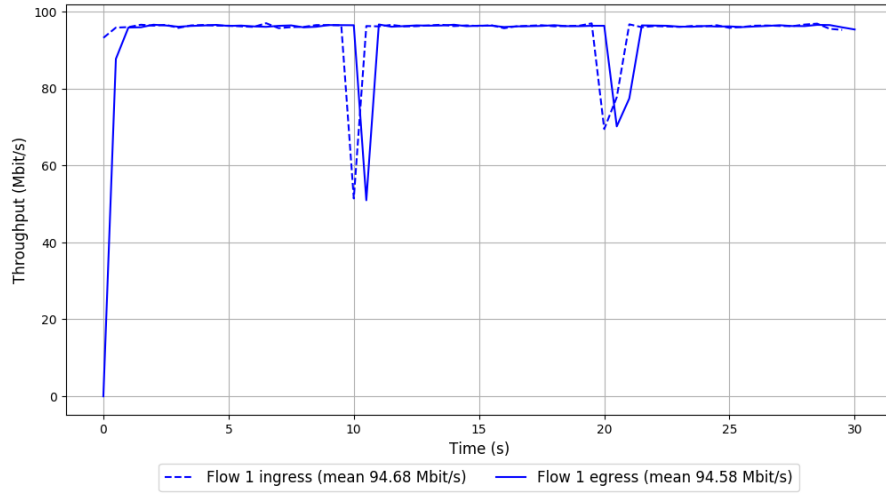


Run 4: Statistics of FillP-Sheep

Start at: 2020-02-17 22:51:48
End at: 2020-02-17 22:52:18
Local clock offset: -14.196 ms
Remote clock offset: 0.297 ms

Below is generated by plot.py at 2020-02-17 23:47:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 3.972 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 3.972 ms
Loss rate: 0.10%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2020-02-17 23:18:26

End at: 2020-02-17 23:18:56

Local clock offset: -9.983 ms

Remote clock offset: 0.436 ms

Below is generated by plot.py at 2020-02-17 23:47:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.56 Mbit/s

95th percentile per-packet one-way delay: 4.588 ms

Loss rate: 0.07%

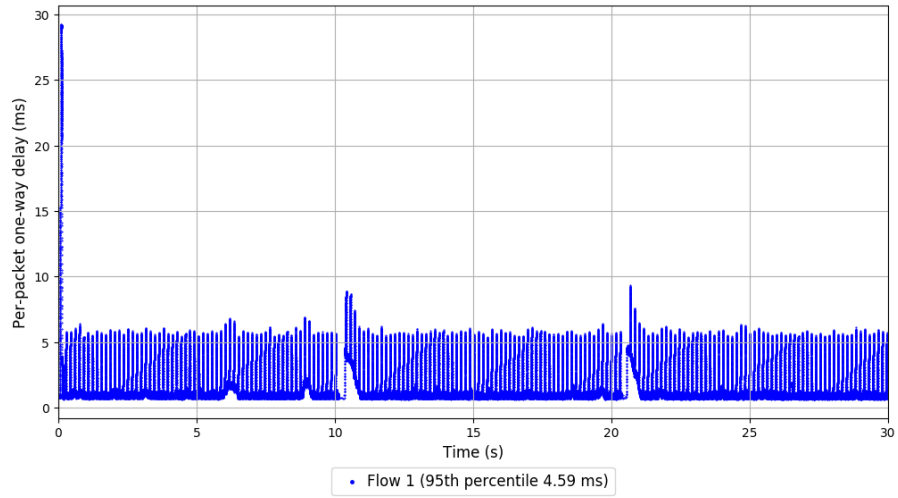
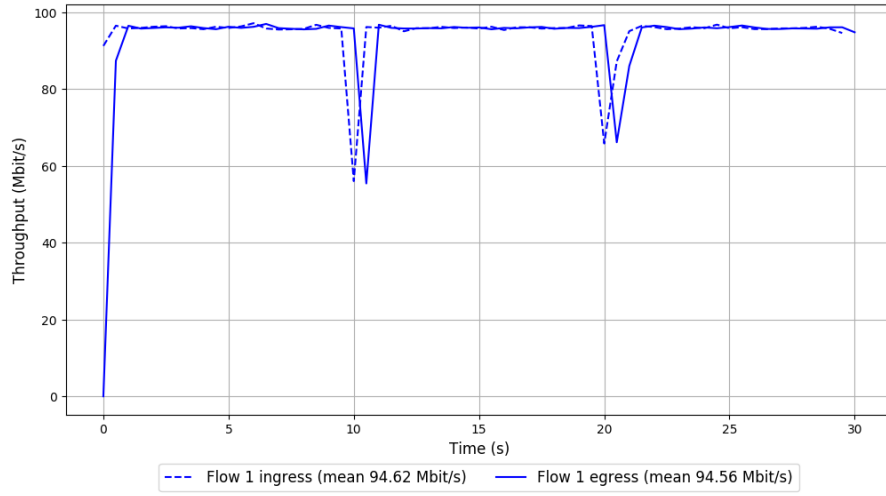
-- Flow 1:

Average throughput: 94.56 Mbit/s

95th percentile per-packet one-way delay: 4.588 ms

Loss rate: 0.07%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2020-02-17 21:40:42

End at: 2020-02-17 21:41:12

Local clock offset: -8.97 ms

Remote clock offset: -0.492 ms

Below is generated by plot.py at 2020-02-17 23:47:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.11 Mbit/s

95th percentile per-packet one-way delay: 4.405 ms

Loss rate: 0.01%

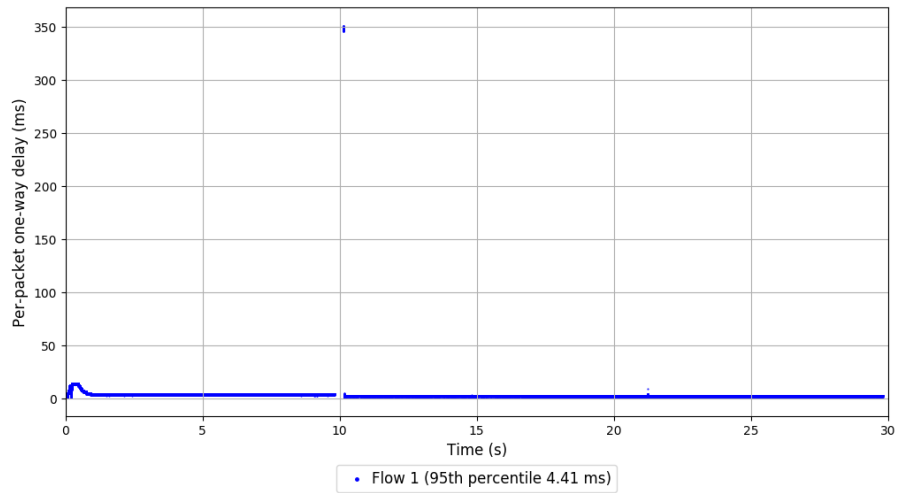
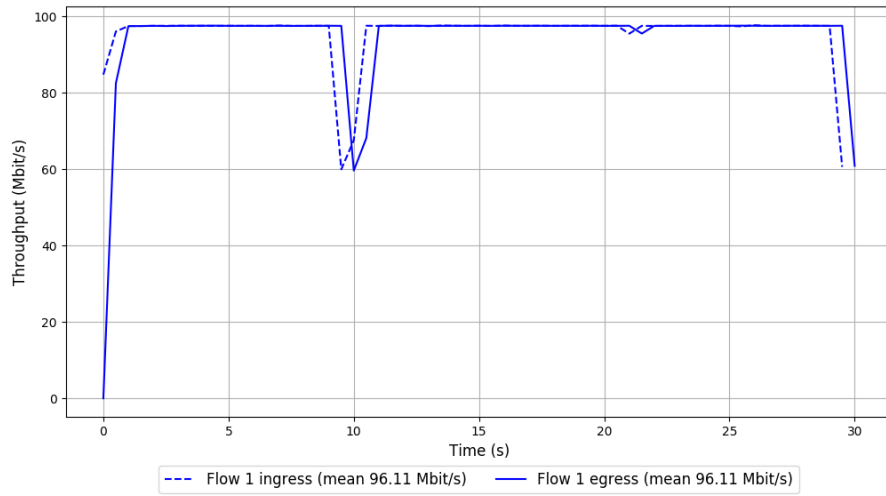
-- Flow 1:

Average throughput: 96.11 Mbit/s

95th percentile per-packet one-way delay: 4.405 ms

Loss rate: 0.01%

Run 1: Report of Indigo — Data Link

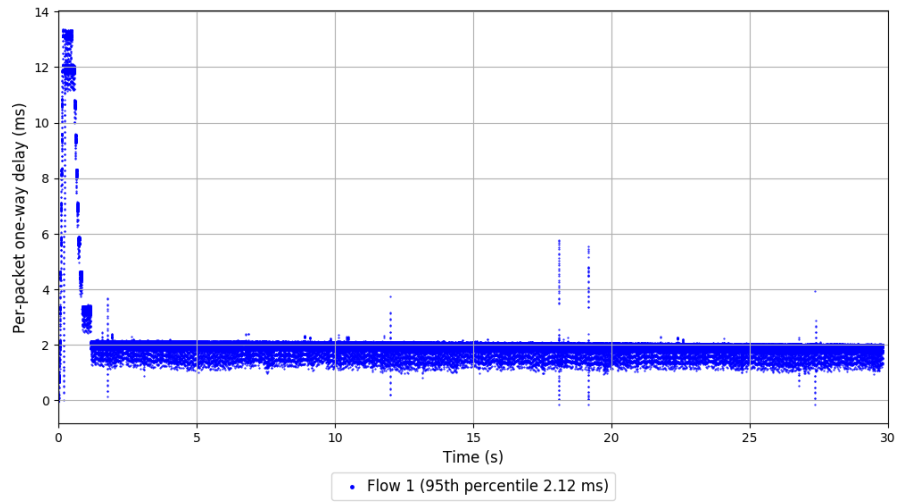
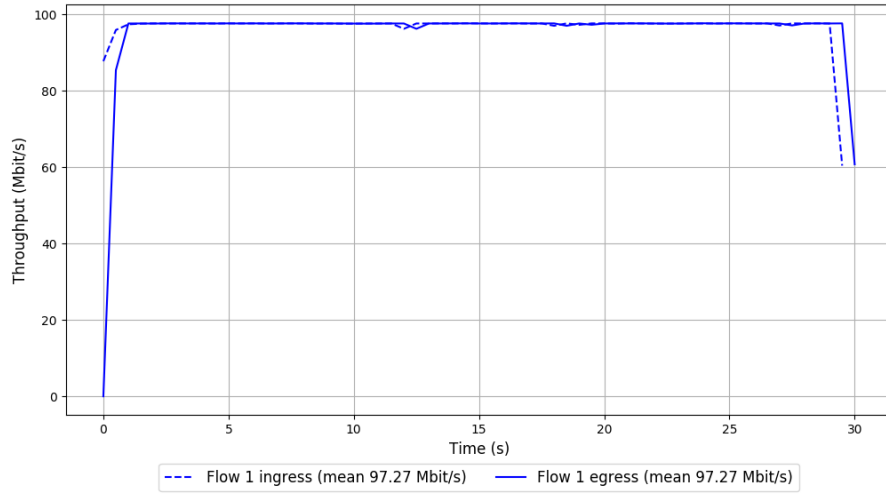


Run 2: Statistics of Indigo

Start at: 2020-02-17 22:07:20
End at: 2020-02-17 22:07:50
Local clock offset: -15.074 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2020-02-17 23:47:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 2.117 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 2.117 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

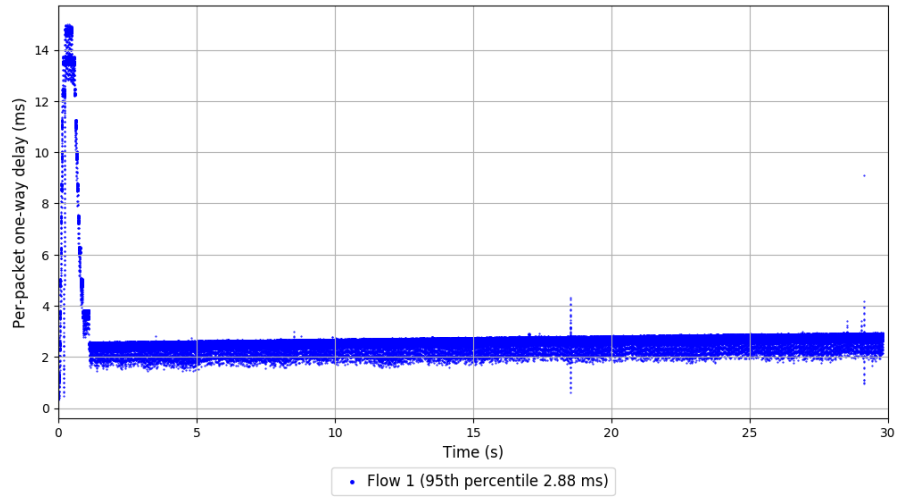
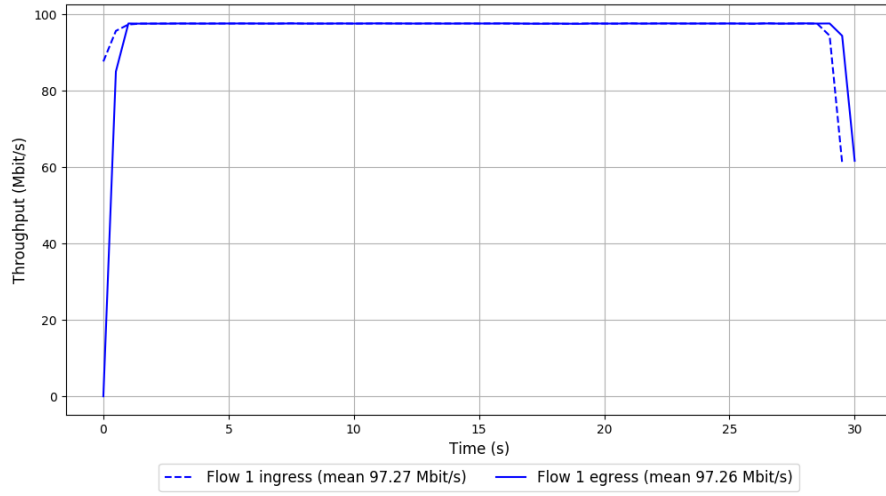


Run 3: Statistics of Indigo

Start at: 2020-02-17 22:34:00
End at: 2020-02-17 22:34:30
Local clock offset: -16.967 ms
Remote clock offset: 0.121 ms

Below is generated by plot.py at 2020-02-17 23:47:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 2.880 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 2.880 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2020-02-17 23:00:38

End at: 2020-02-17 23:01:08

Local clock offset: -13.22 ms

Remote clock offset: 0.264 ms

Below is generated by plot.py at 2020-02-17 23:47:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.22 Mbit/s

95th percentile per-packet one-way delay: 5.314 ms

Loss rate: 0.00%

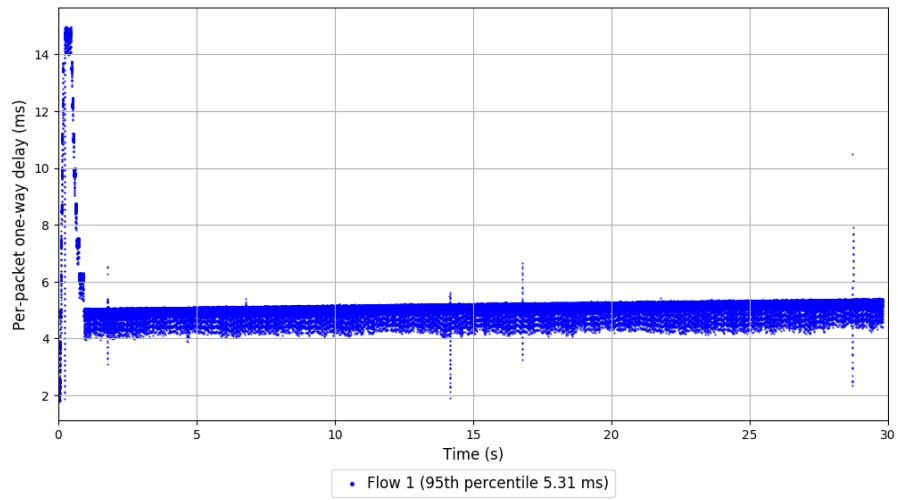
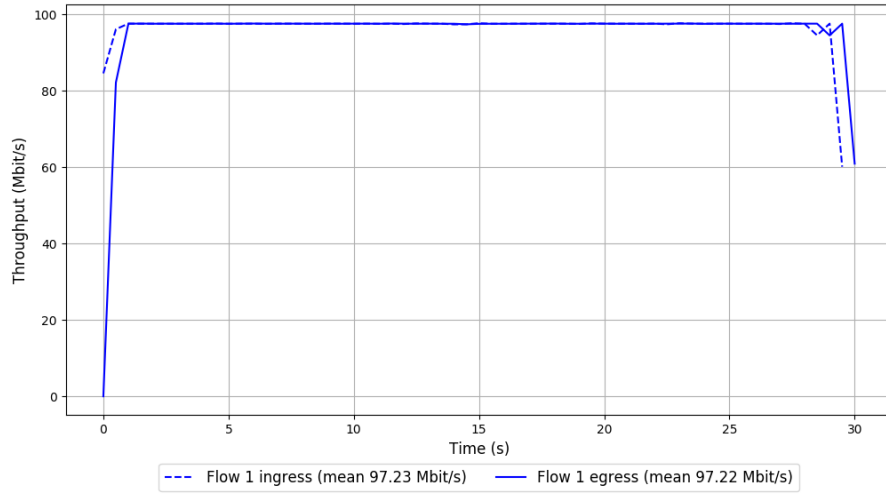
-- Flow 1:

Average throughput: 97.22 Mbit/s

95th percentile per-packet one-way delay: 5.314 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

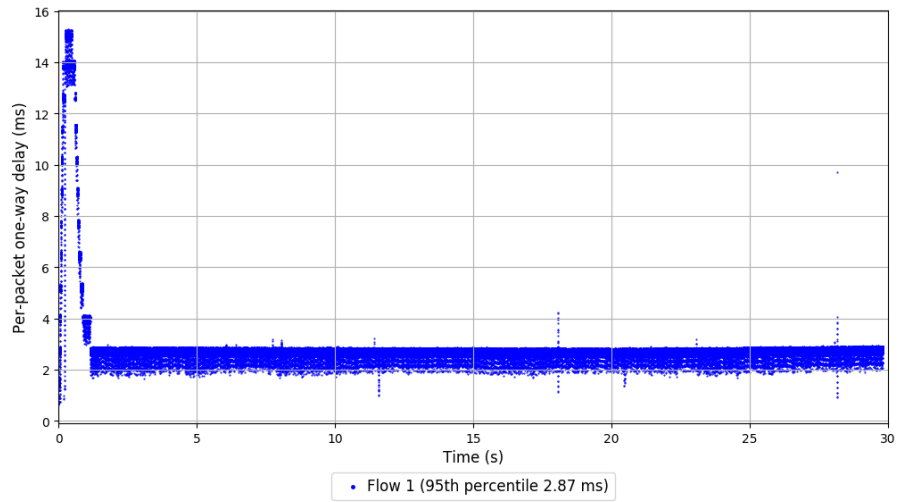
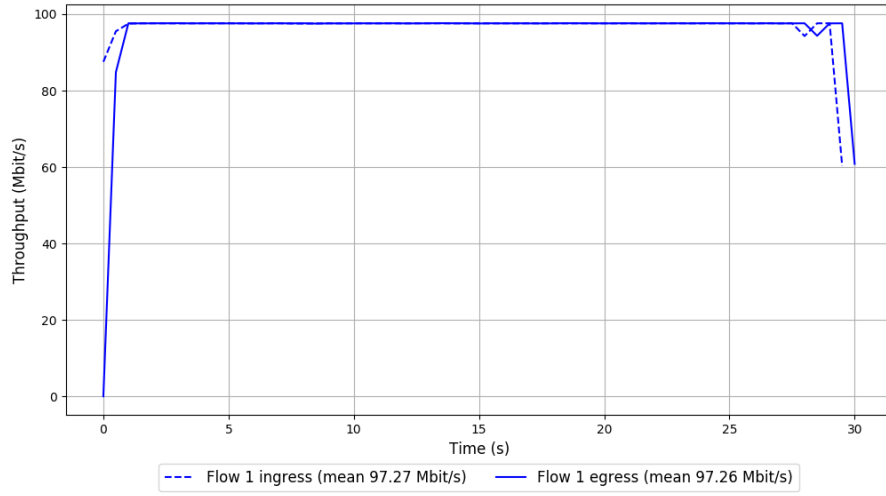


Run 5: Statistics of Indigo

Start at: 2020-02-17 23:27:16
End at: 2020-02-17 23:27:46
Local clock offset: -10.958 ms
Remote clock offset: 0.425 ms

Below is generated by plot.py at 2020-02-17 23:48:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 2.872 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 2.872 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

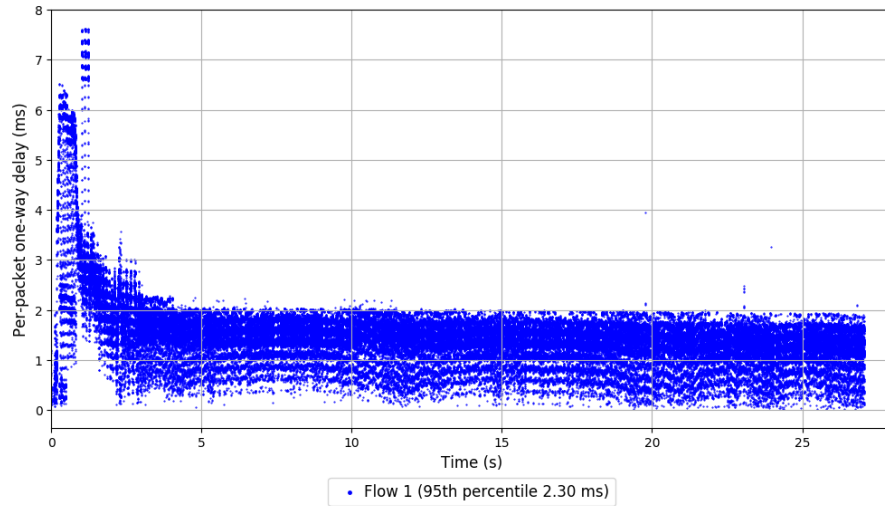
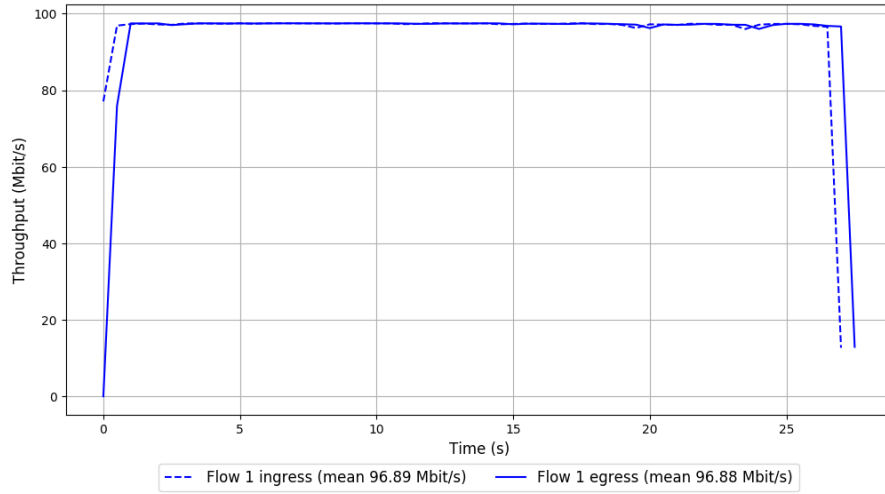


Run 1: Statistics of Indigo-MusesC3

Start at: 2020-02-17 21:39:34
End at: 2020-02-17 21:40:04
Local clock offset: -8.828 ms
Remote clock offset: -0.349 ms

Below is generated by plot.py at 2020-02-17 23:48:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 2.304 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 2.304 ms
Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link

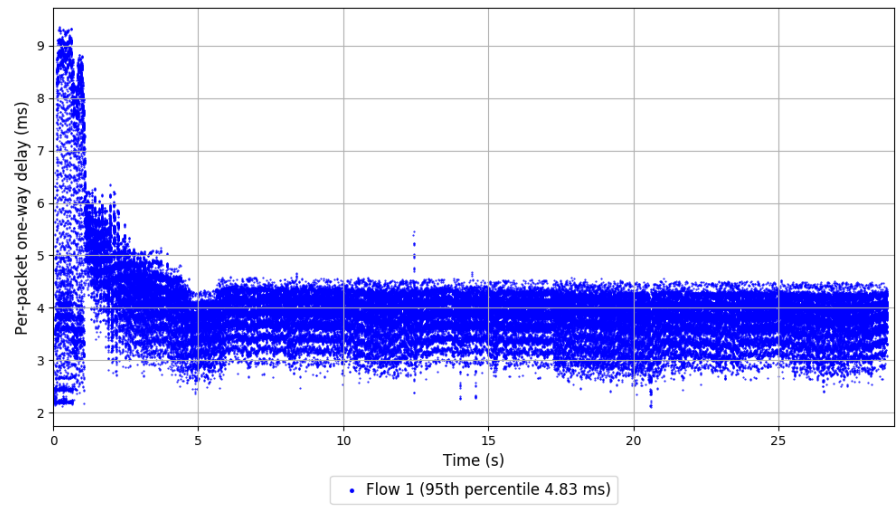
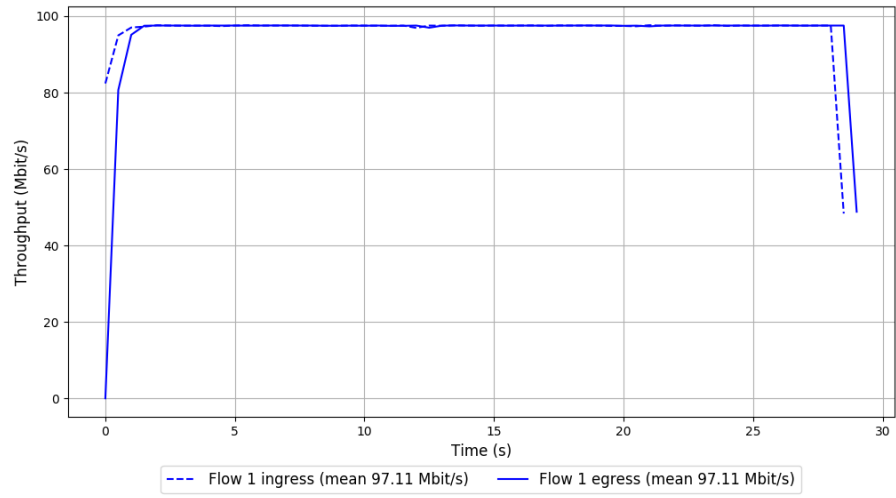


Run 2: Statistics of Indigo-MusesC3

Start at: 2020-02-17 22:06:12
End at: 2020-02-17 22:06:42
Local clock offset: -15.551 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2020-02-17 23:48:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 4.829 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 4.829 ms
Loss rate: 0.01%

Run 2: Report of Indigo-MusesC3 — Data Link

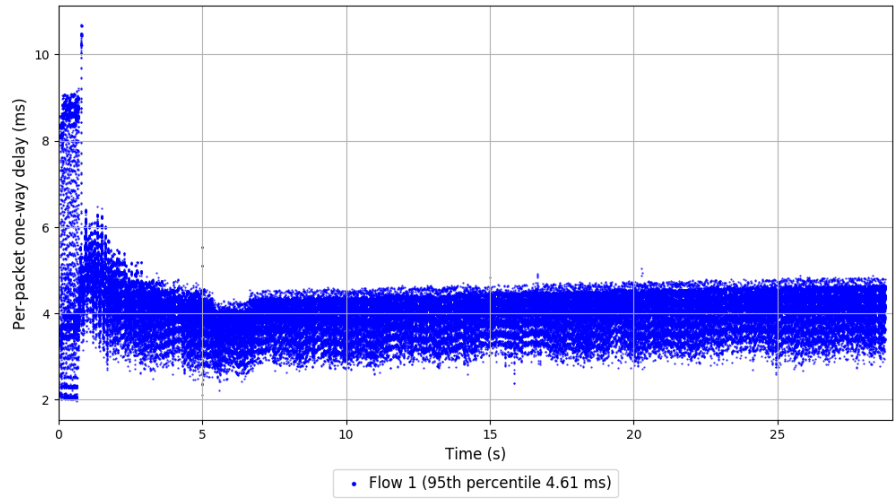
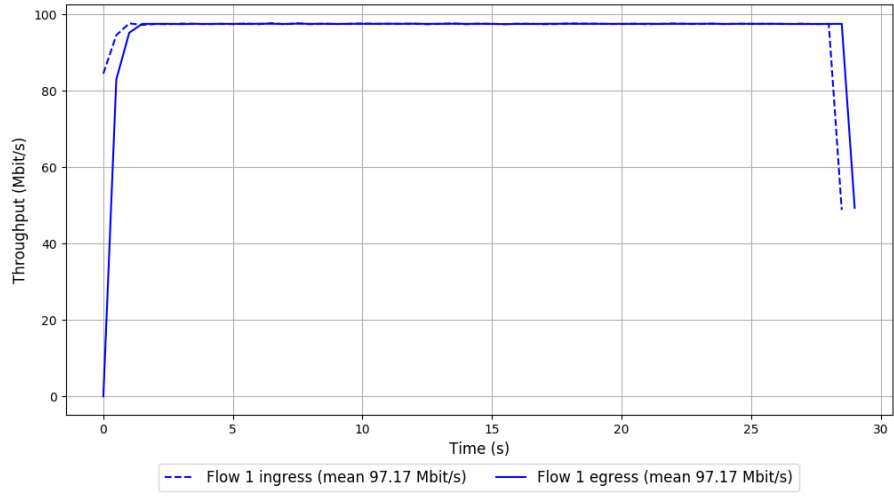


Run 3: Statistics of Indigo-MusesC3

Start at: 2020-02-17 22:32:52
End at: 2020-02-17 22:33:22
Local clock offset: -18.123 ms
Remote clock offset: 0.131 ms

Below is generated by plot.py at 2020-02-17 23:48:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 4.611 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 4.611 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesC3 — Data Link

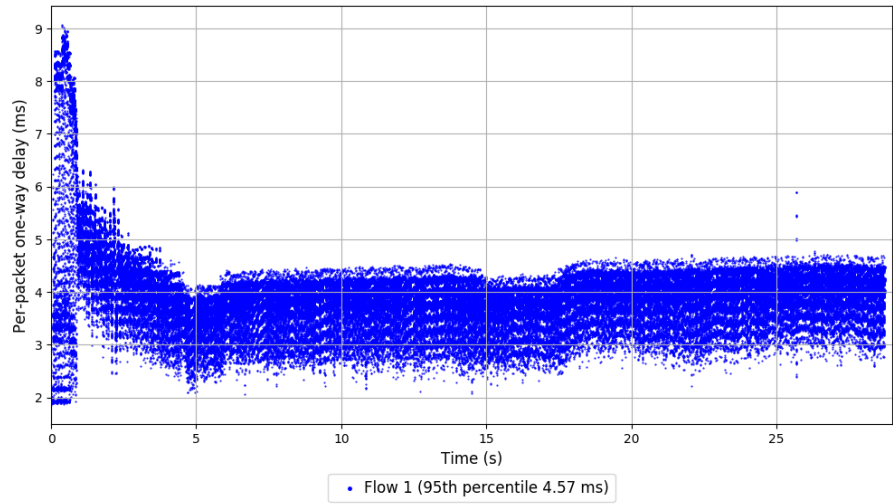
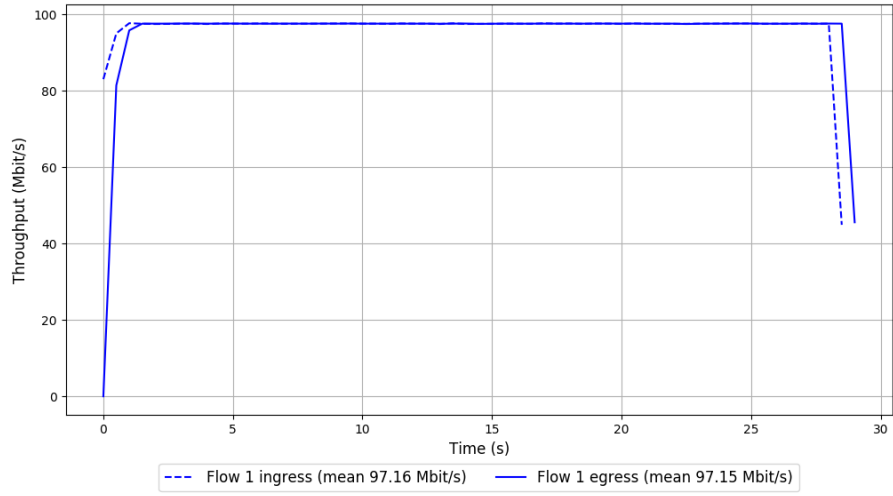


Run 4: Statistics of Indigo-MusesC3

Start at: 2020-02-17 22:59:30
End at: 2020-02-17 23:00:00
Local clock offset: -14.129 ms
Remote clock offset: 0.308 ms

```
# Below is generated by plot.py at 2020-02-17 23:48:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 4.573 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 4.573 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-MusesC3 — Data Link

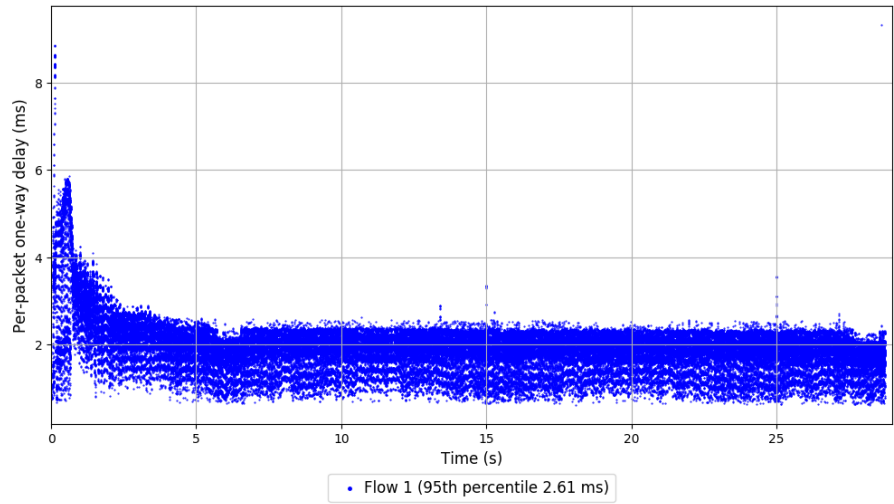
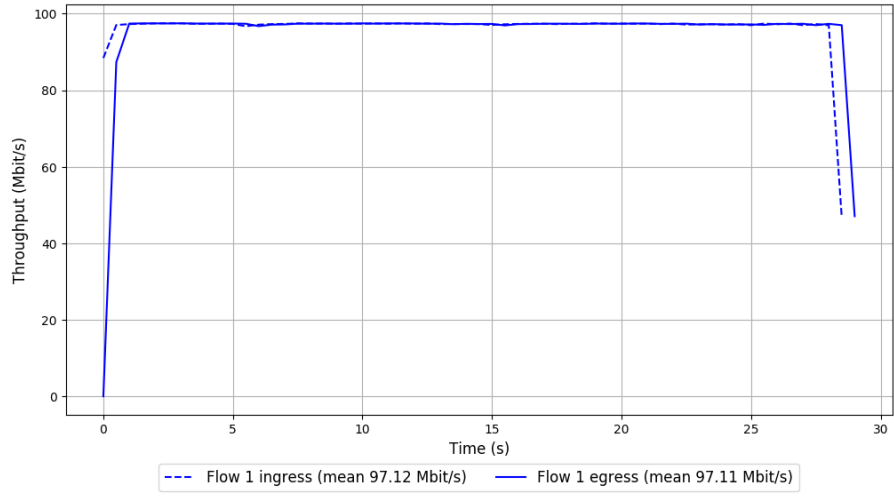


Run 5: Statistics of Indigo-MusesC3

Start at: 2020-02-17 23:26:08
End at: 2020-02-17 23:26:38
Local clock offset: -10.793 ms
Remote clock offset: 0.441 ms

```
# Below is generated by plot.py at 2020-02-17 23:48:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 2.608 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 2.608 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-MusesC3 — Data Link

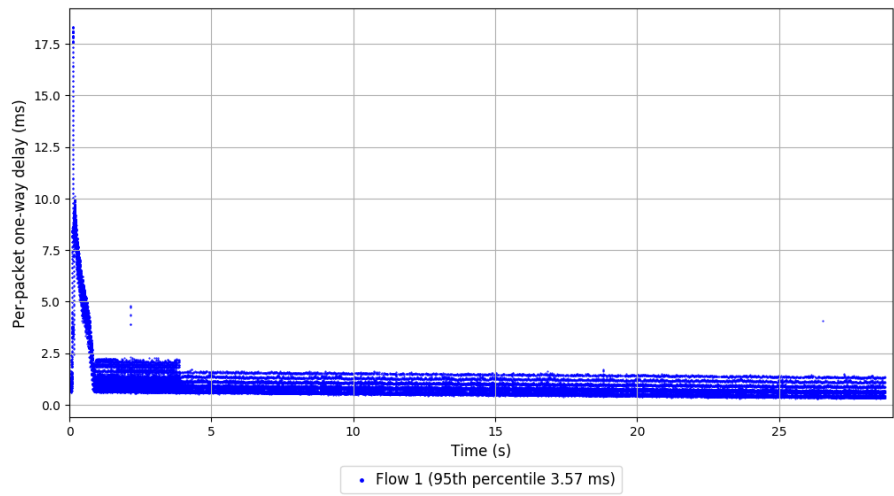
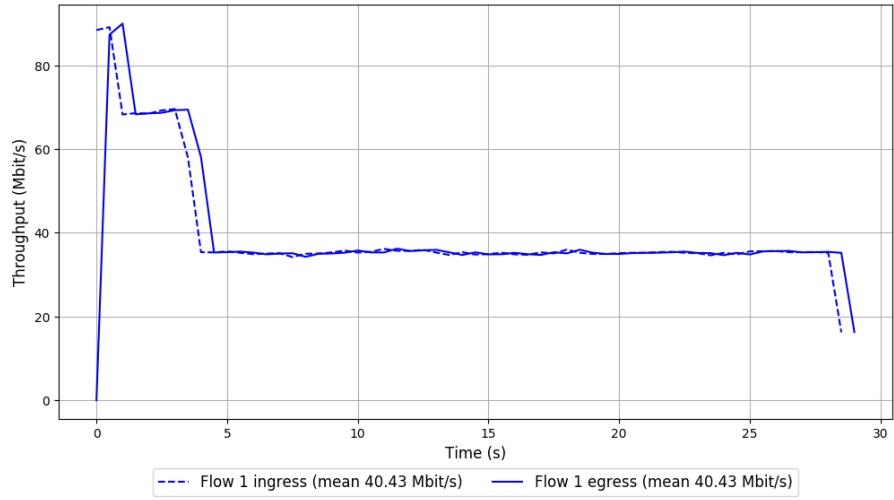


Run 1: Statistics of Indigo-MusesC5

Start at: 2020-02-17 21:55:10
End at: 2020-02-17 21:55:40
Local clock offset: -14.907 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2020-02-17 23:48:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.43 Mbit/s
95th percentile per-packet one-way delay: 3.569 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.43 Mbit/s
95th percentile per-packet one-way delay: 3.569 ms
Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link

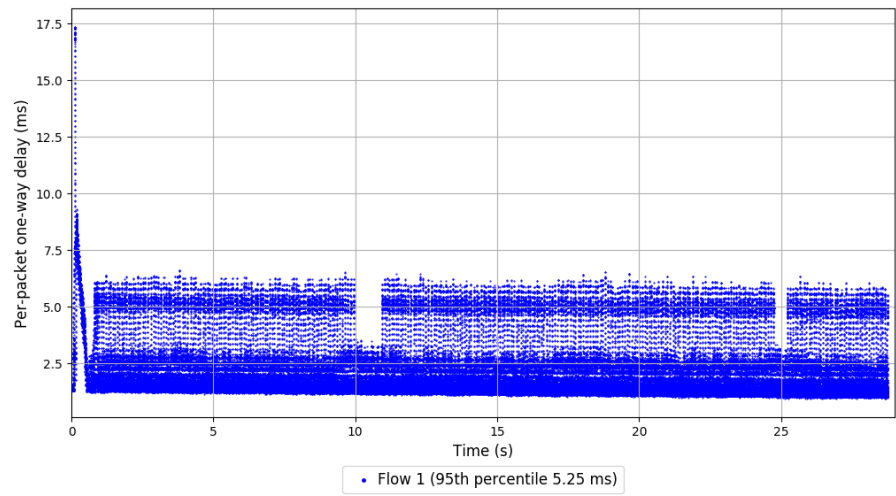
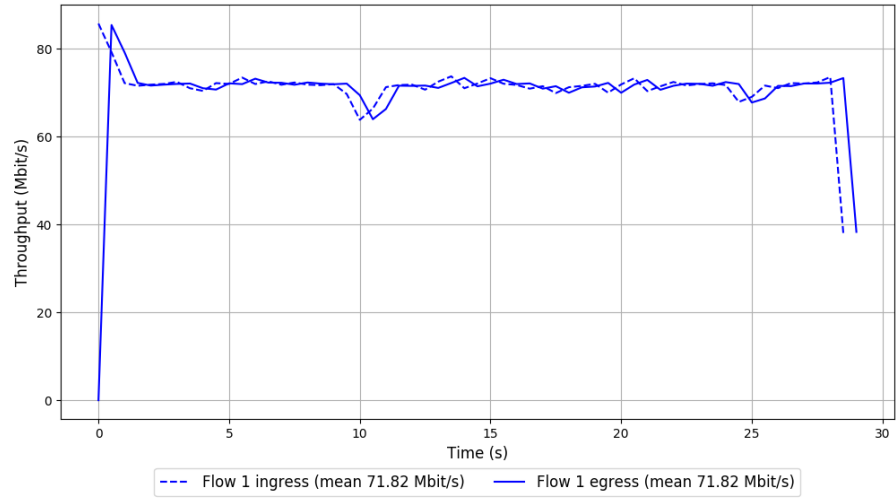


Run 2: Statistics of Indigo-MusesC5

Start at: 2020-02-17 22:21:50
End at: 2020-02-17 22:22:20
Local clock offset: -21.792 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2020-02-17 23:48:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.82 Mbit/s
95th percentile per-packet one-way delay: 5.254 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 71.82 Mbit/s
95th percentile per-packet one-way delay: 5.254 ms
Loss rate: 0.01%

Run 2: Report of Indigo-MusesC5 — Data Link

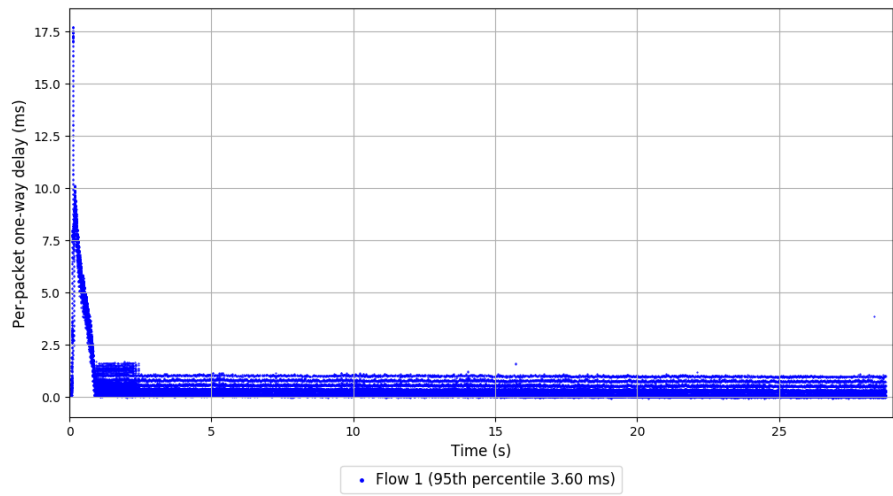
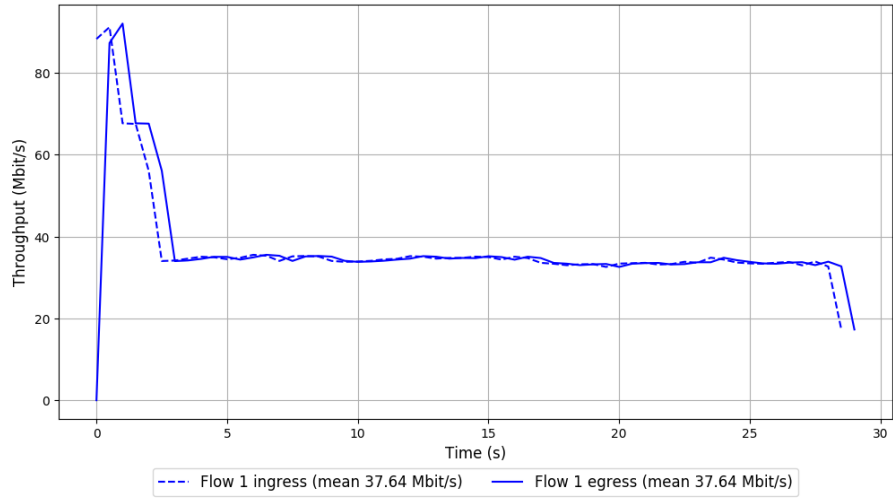


Run 3: Statistics of Indigo-MusesC5

Start at: 2020-02-17 22:48:30
End at: 2020-02-17 22:49:00
Local clock offset: -13.595 ms
Remote clock offset: 0.305 ms

Below is generated by plot.py at 2020-02-17 23:48:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.64 Mbit/s
95th percentile per-packet one-way delay: 3.604 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.64 Mbit/s
95th percentile per-packet one-way delay: 3.604 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2020-02-17 23:15:08

End at: 2020-02-17 23:15:38

Local clock offset: -9.849 ms

Remote clock offset: 0.37 ms

Below is generated by plot.py at 2020-02-17 23:49:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.86 Mbit/s

95th percentile per-packet one-way delay: 3.223 ms

Loss rate: 0.00%

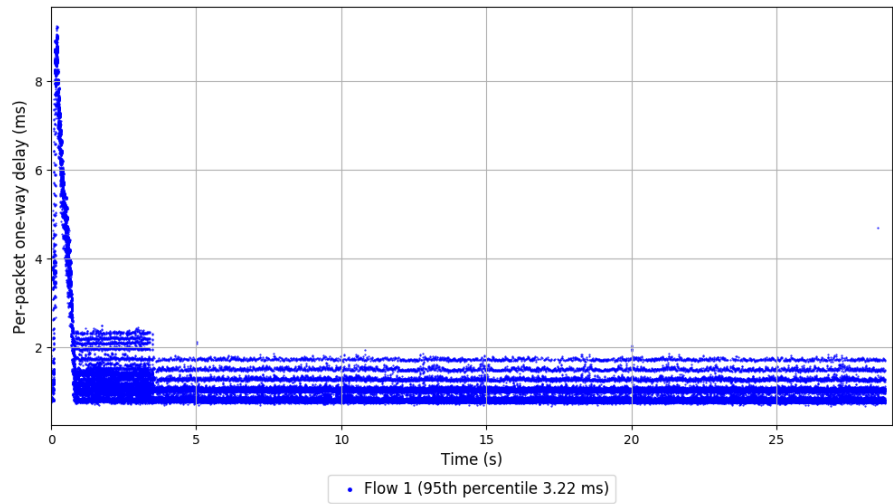
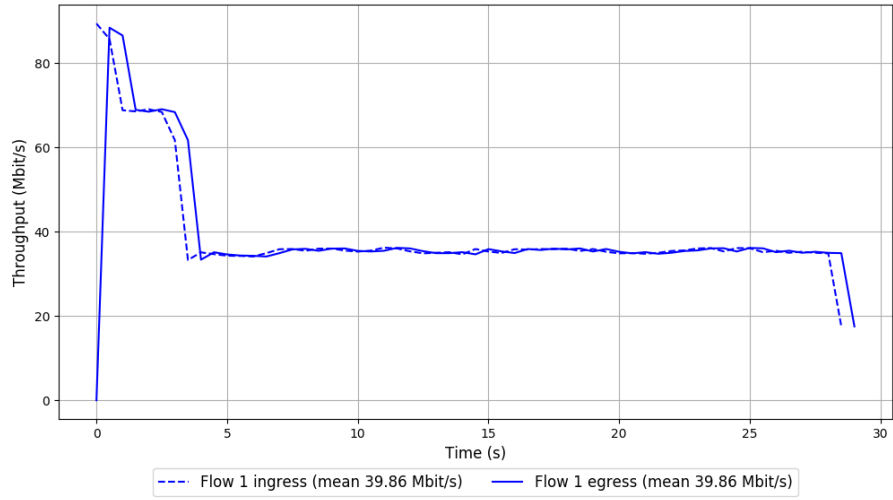
-- Flow 1:

Average throughput: 39.86 Mbit/s

95th percentile per-packet one-way delay: 3.223 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2020-02-17 23:41:46

End at: 2020-02-17 23:42:16

Local clock offset: -6.943 ms

Remote clock offset: 0.516 ms

Below is generated by plot.py at 2020-02-17 23:49:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.60 Mbit/s

95th percentile per-packet one-way delay: 4.249 ms

Loss rate: 0.00%

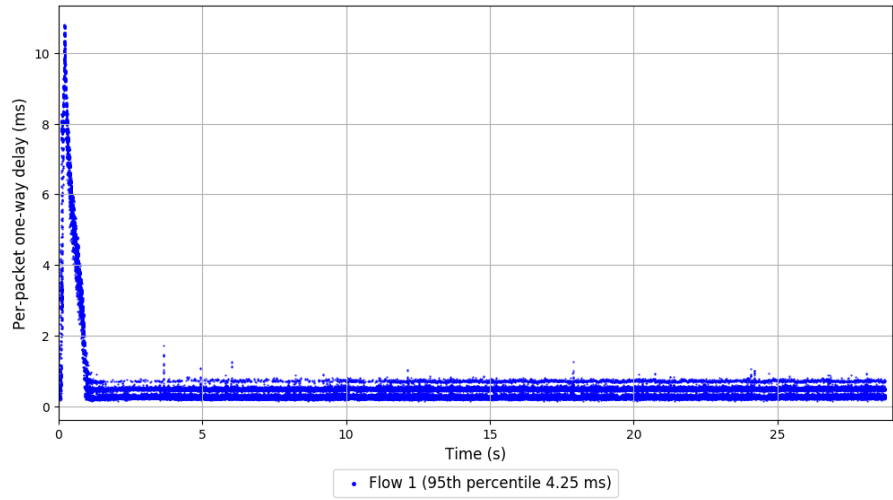
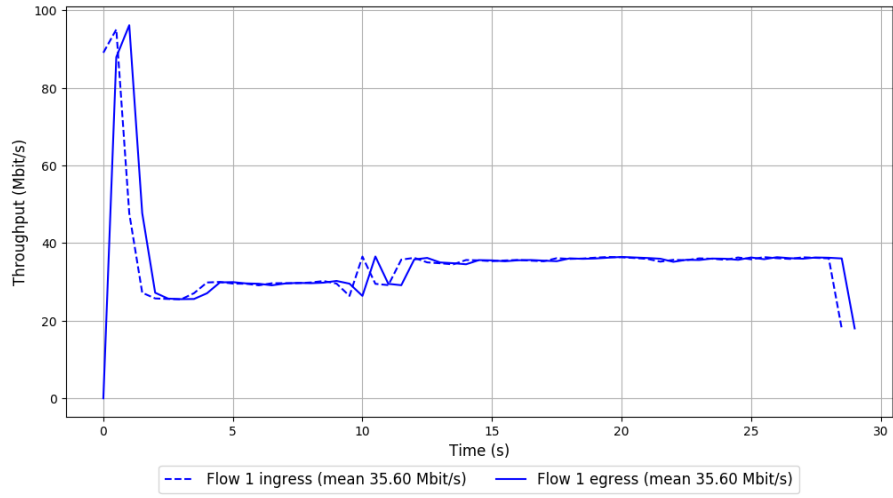
-- Flow 1:

Average throughput: 35.60 Mbit/s

95th percentile per-packet one-way delay: 4.249 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC5 — Data Link

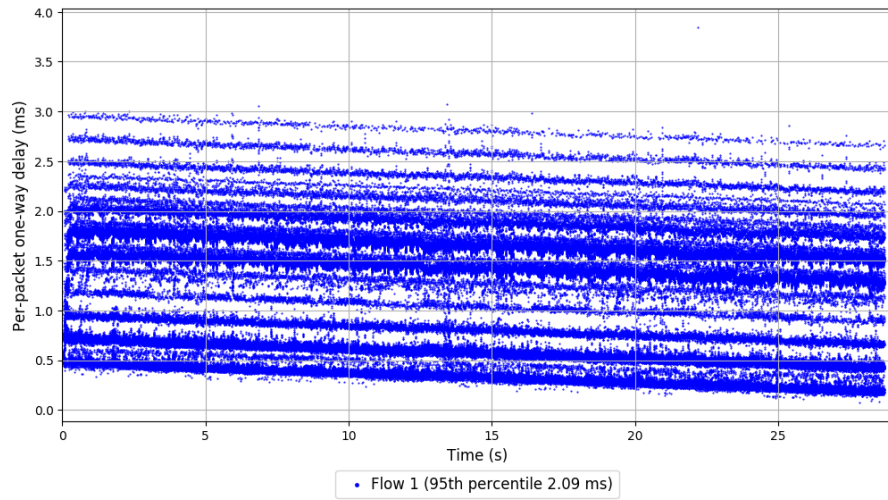
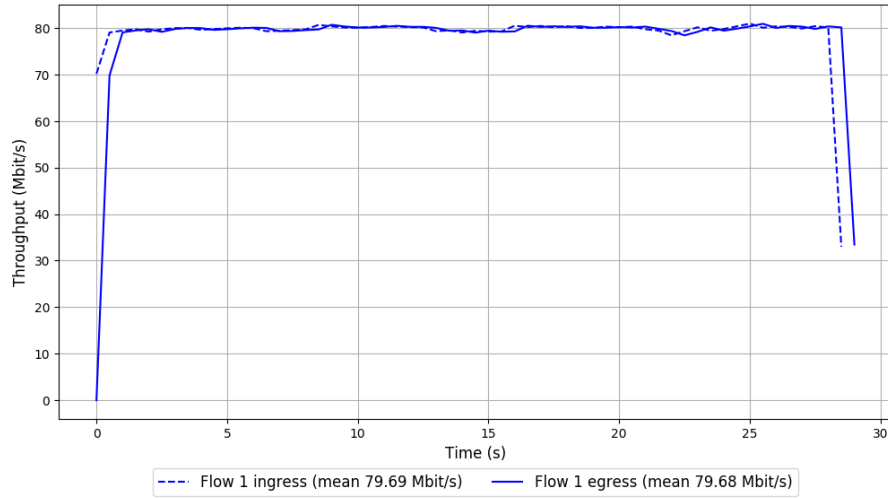


Run 1: Statistics of Indigo-MusesD

Start at: 2020-02-17 21:54:03
End at: 2020-02-17 21:54:33
Local clock offset: -14.088 ms
Remote clock offset: -0.27 ms

Below is generated by plot.py at 2020-02-17 23:49:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.68 Mbit/s
95th percentile per-packet one-way delay: 2.093 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.68 Mbit/s
95th percentile per-packet one-way delay: 2.093 ms
Loss rate: 0.00%

Run 1: Report of Indigo-MusesD — Data Link

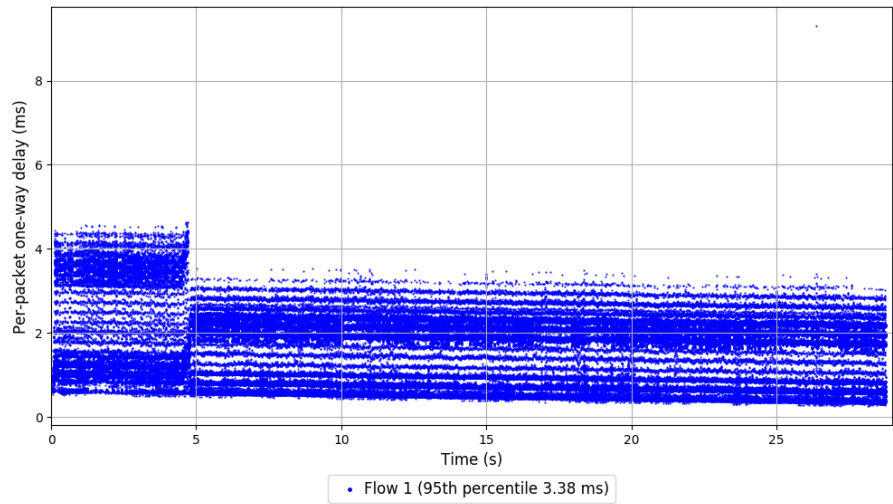
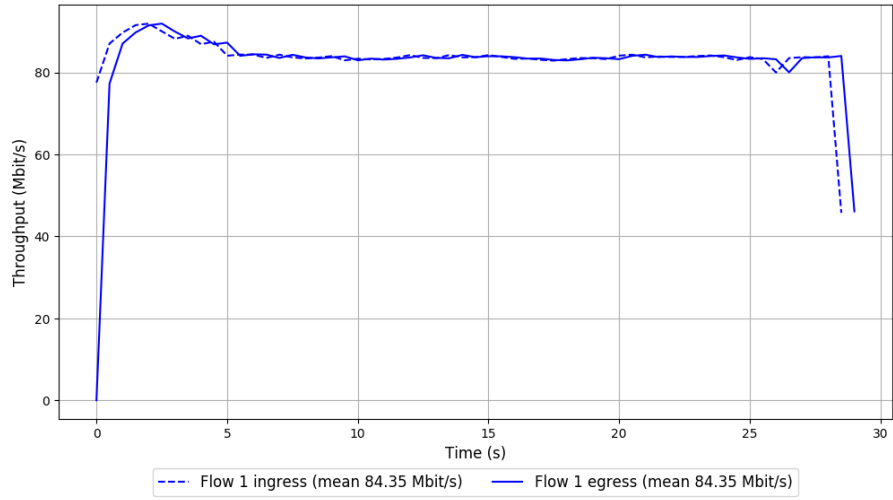


Run 2: Statistics of Indigo-MusesD

Start at: 2020-02-17 22:20:43
End at: 2020-02-17 22:21:13
Local clock offset: -21.791 ms
Remote clock offset: 0.086 ms

Below is generated by plot.py at 2020-02-17 23:49:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.35 Mbit/s
95th percentile per-packet one-way delay: 3.376 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.35 Mbit/s
95th percentile per-packet one-way delay: 3.376 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link

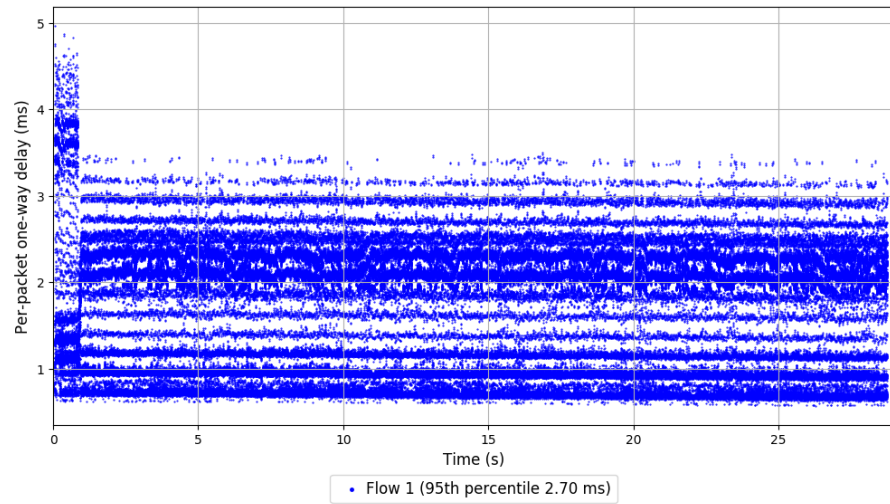
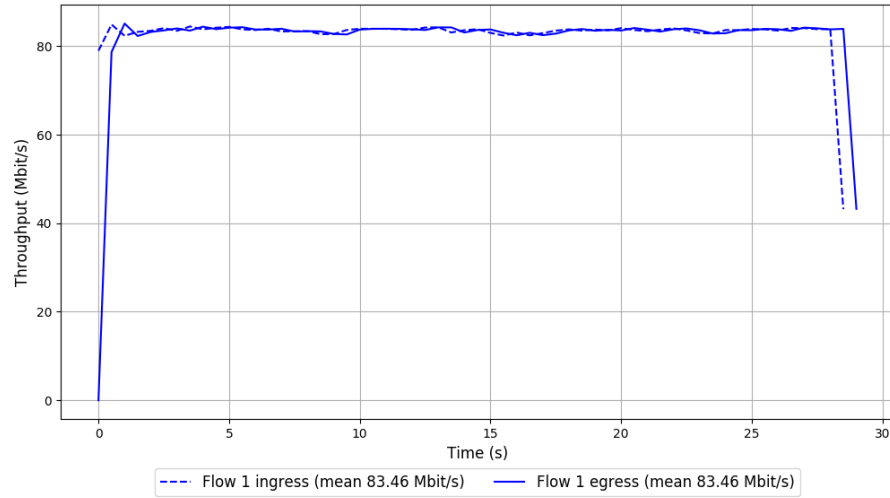


Run 3: Statistics of Indigo-MusesD

Start at: 2020-02-17 22:47:23
End at: 2020-02-17 22:47:53
Local clock offset: -14.174 ms
Remote clock offset: 0.21 ms

Below is generated by plot.py at 2020-02-17 23:49:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.46 Mbit/s
95th percentile per-packet one-way delay: 2.700 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.46 Mbit/s
95th percentile per-packet one-way delay: 2.700 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2020-02-17 23:14:01

End at: 2020-02-17 23:14:31

Local clock offset: -9.847 ms

Remote clock offset: 0.421 ms

Below is generated by plot.py at 2020-02-17 23:49:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.40 Mbit/s

95th percentile per-packet one-way delay: 2.455 ms

Loss rate: 0.00%

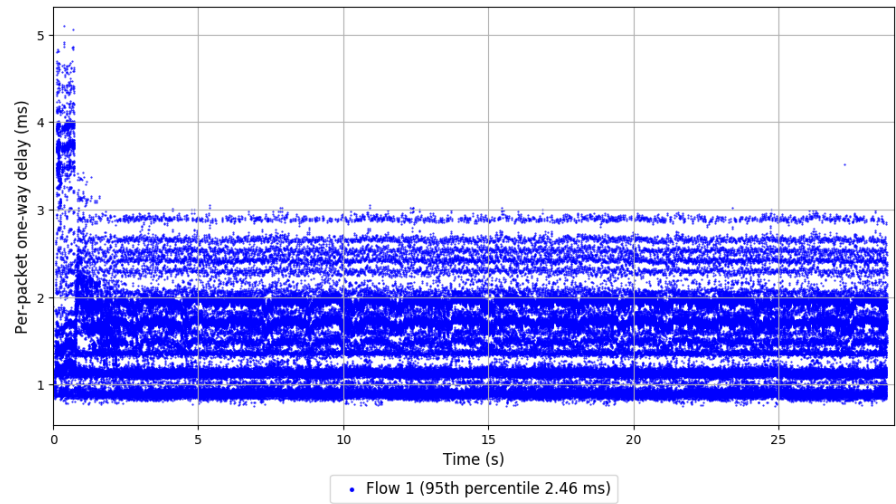
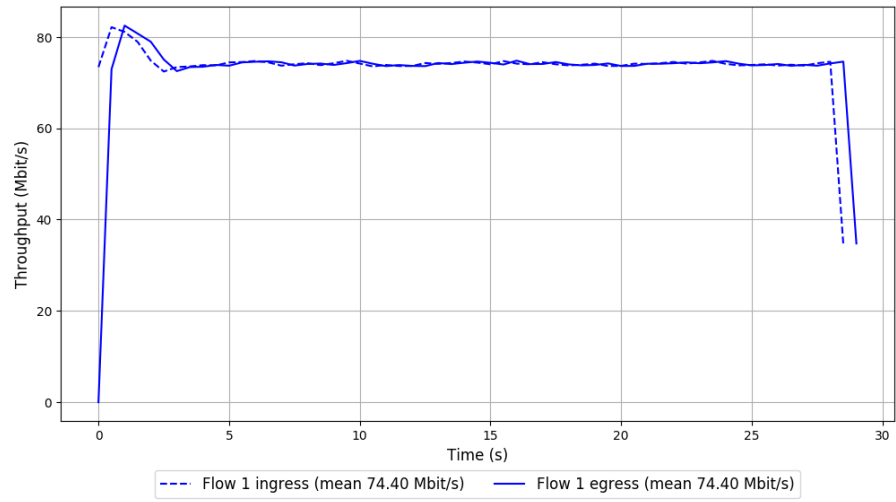
-- Flow 1:

Average throughput: 74.40 Mbit/s

95th percentile per-packet one-way delay: 2.455 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2020-02-17 23:40:40

End at: 2020-02-17 23:41:10

Local clock offset: -7.732 ms

Remote clock offset: 0.462 ms

Below is generated by plot.py at 2020-02-17 23:49:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.66 Mbit/s

95th percentile per-packet one-way delay: 1.456 ms

Loss rate: 0.00%

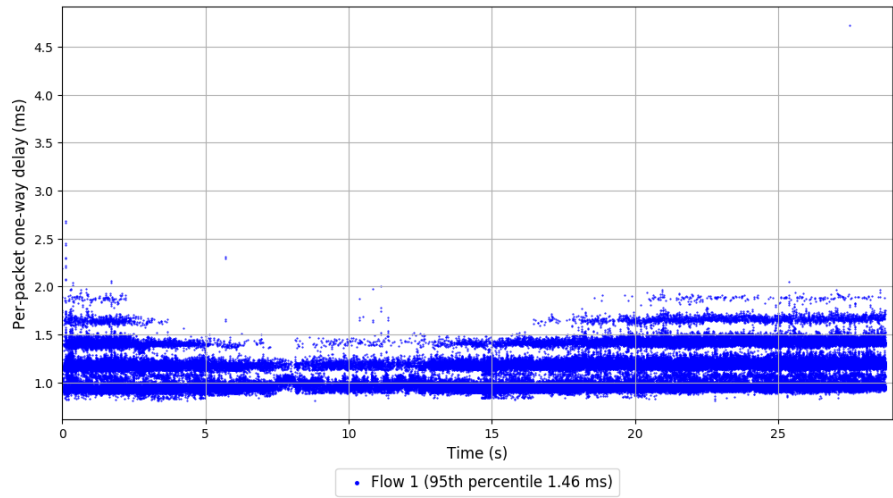
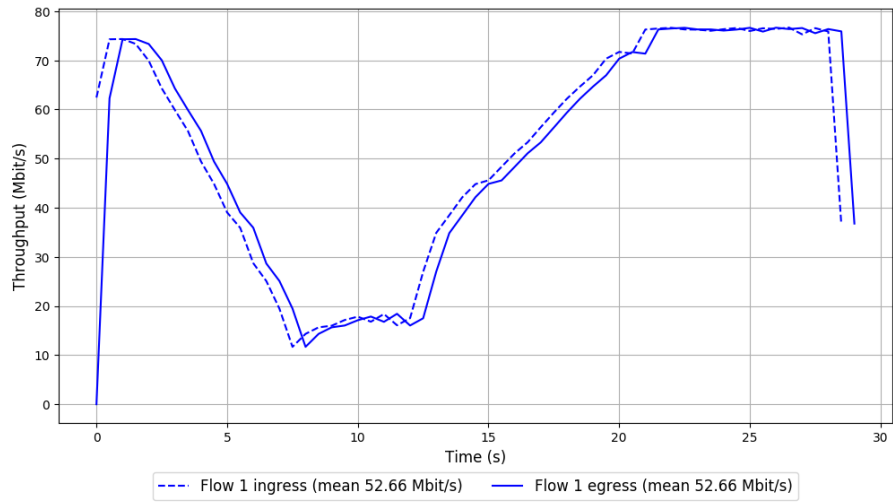
-- Flow 1:

Average throughput: 52.66 Mbit/s

95th percentile per-packet one-way delay: 1.456 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link

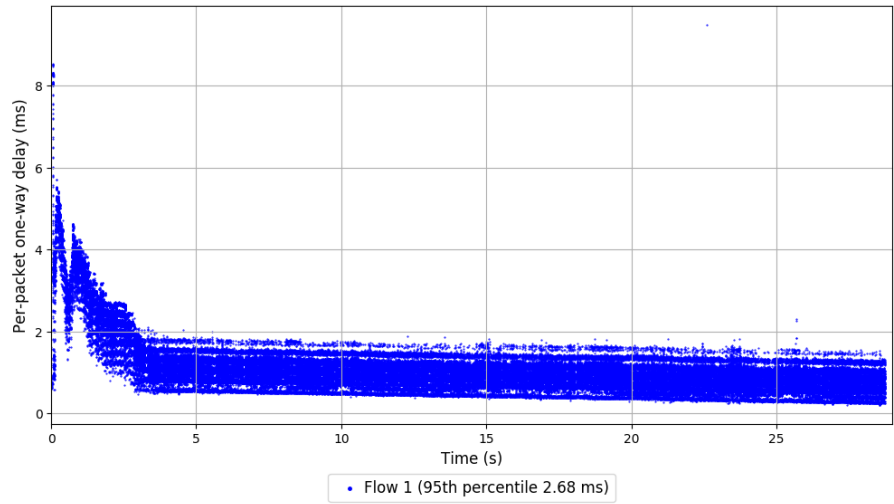
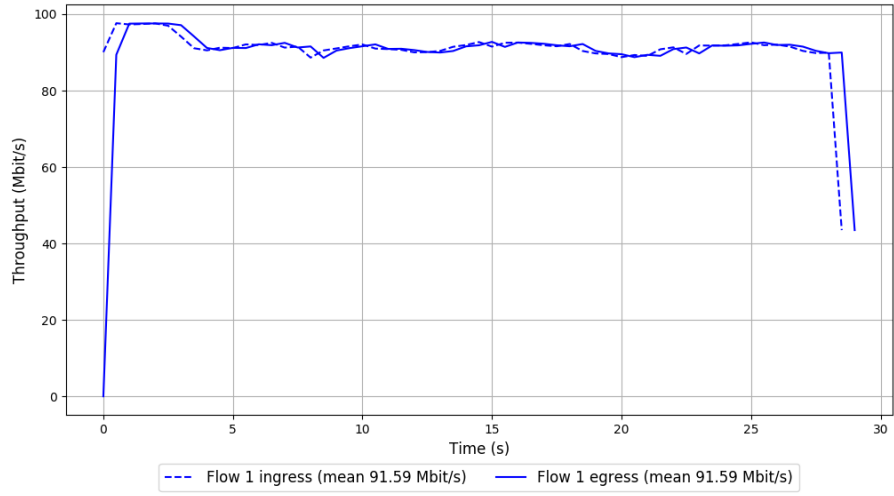


Run 1: Statistics of Indigo-MusesT

Start at: 2020-02-17 21:41:51
End at: 2020-02-17 21:42:21
Local clock offset: -10.275 ms
Remote clock offset: -0.337 ms

Below is generated by plot.py at 2020-02-17 23:49:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.59 Mbit/s
95th percentile per-packet one-way delay: 2.678 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.59 Mbit/s
95th percentile per-packet one-way delay: 2.678 ms
Loss rate: 0.00%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2020-02-17 22:08:29

End at: 2020-02-17 22:08:59

Local clock offset: -16.07 ms

Remote clock offset: -0.126 ms

Below is generated by plot.py at 2020-02-17 23:50:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 3.650 ms

Loss rate: 0.00%

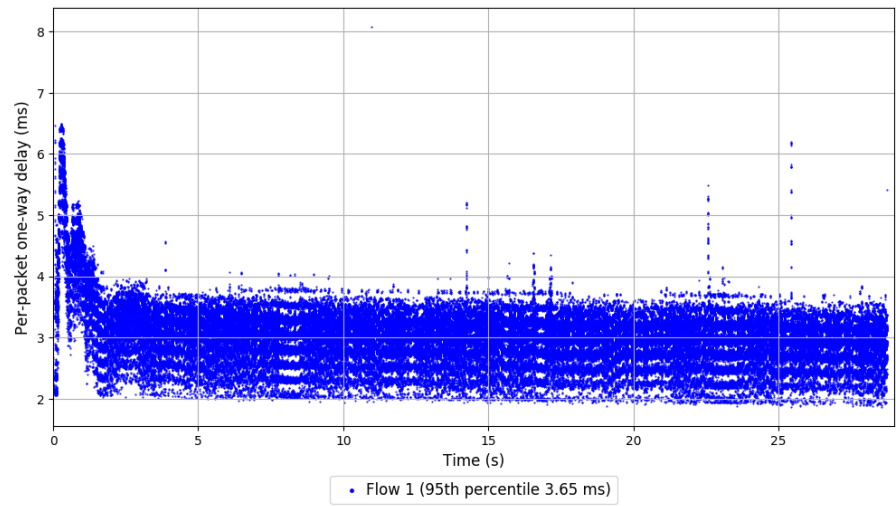
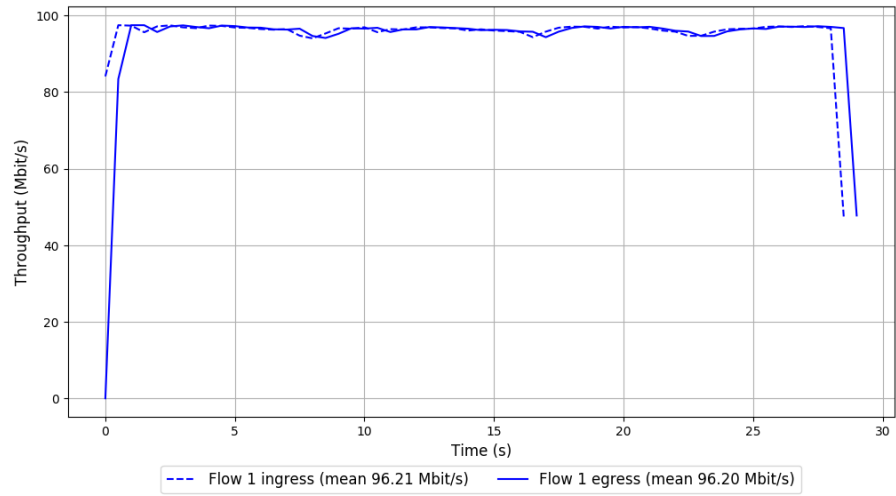
-- Flow 1:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 3.650 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MuseST

Start at: 2020-02-17 22:35:09

End at: 2020-02-17 22:35:39

Local clock offset: -16.001 ms

Remote clock offset: 0.18 ms

Below is generated by plot.py at 2020-02-17 23:50:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.39 Mbit/s

95th percentile per-packet one-way delay: 3.558 ms

Loss rate: 0.01%

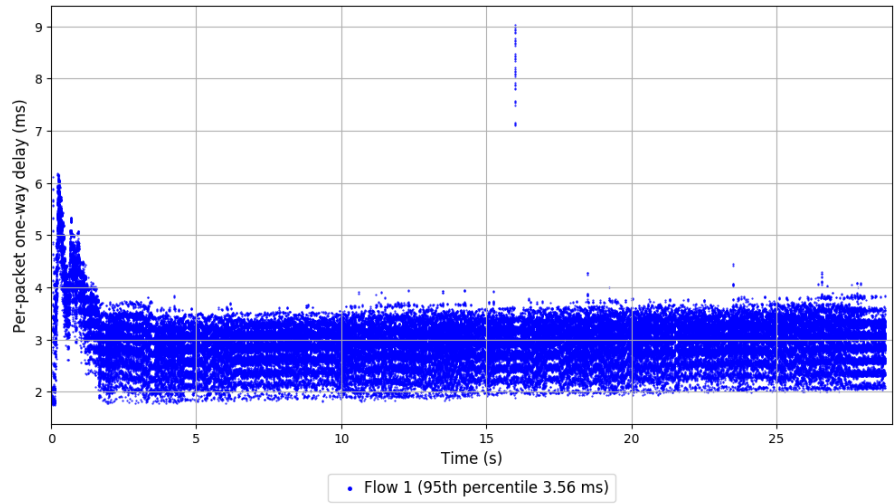
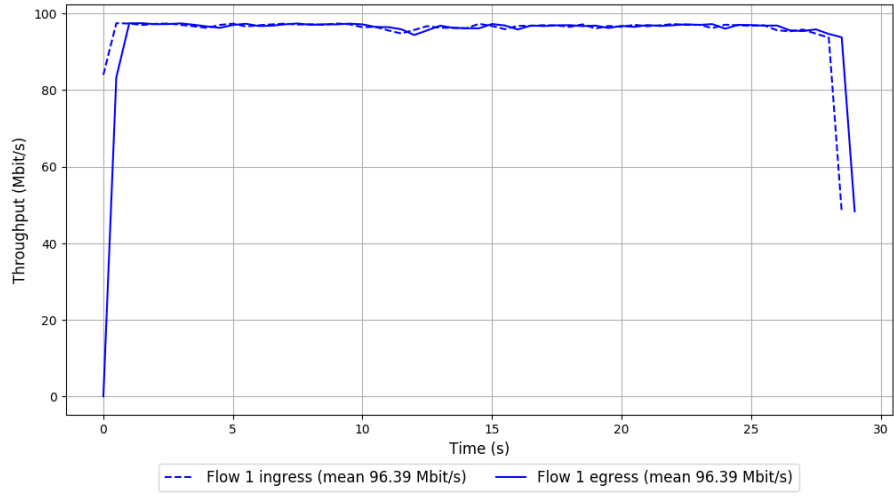
-- Flow 1:

Average throughput: 96.39 Mbit/s

95th percentile per-packet one-way delay: 3.558 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesT — Data Link

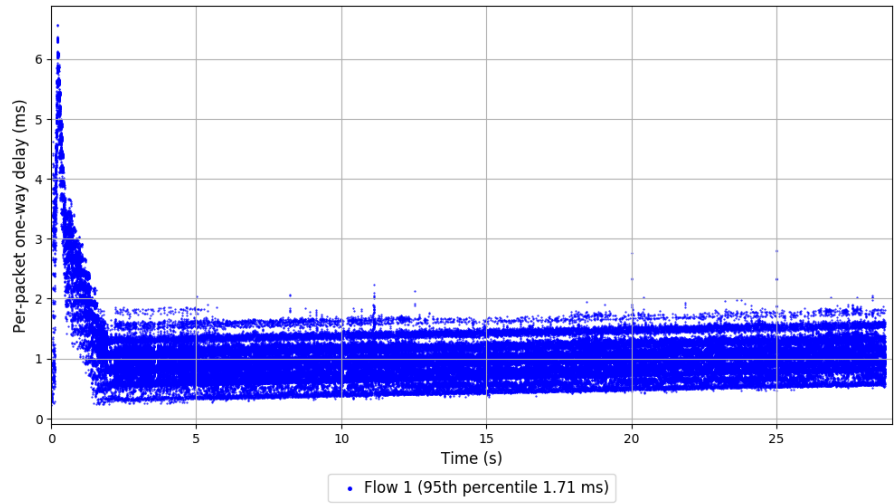
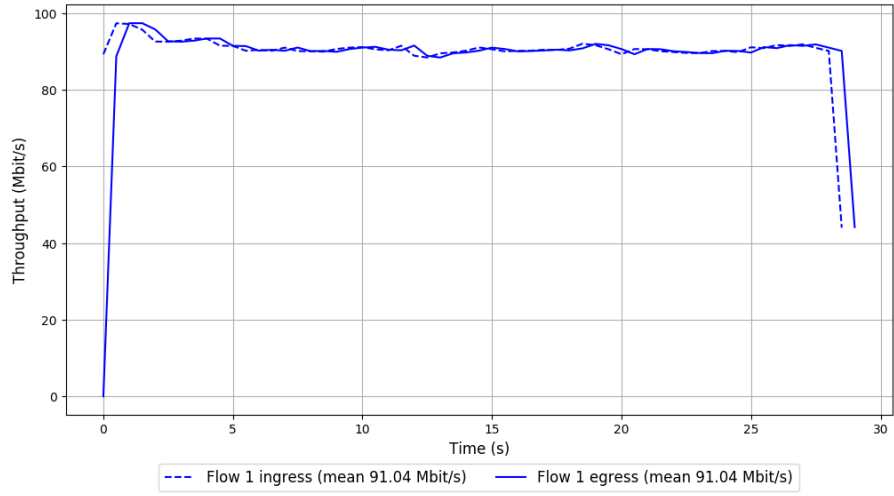


Run 4: Statistics of Indigo-MuseST

Start at: 2020-02-17 23:01:47
End at: 2020-02-17 23:02:17
Local clock offset: -12.338 ms
Remote clock offset: 0.269 ms

```
# Below is generated by plot.py at 2020-02-17 23:50:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.04 Mbit/s
95th percentile per-packet one-way delay: 1.709 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.04 Mbit/s
95th percentile per-packet one-way delay: 1.709 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MuseST

Start at: 2020-02-17 23:28:26

End at: 2020-02-17 23:28:56

Local clock offset: -10.879 ms

Remote clock offset: 0.52 ms

Below is generated by plot.py at 2020-02-17 23:50:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.48 Mbit/s

95th percentile per-packet one-way delay: 4.384 ms

Loss rate: 0.01%

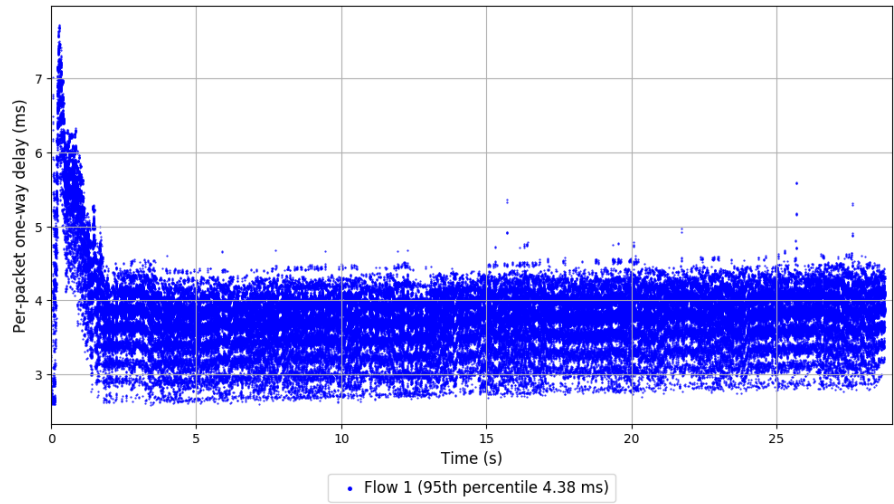
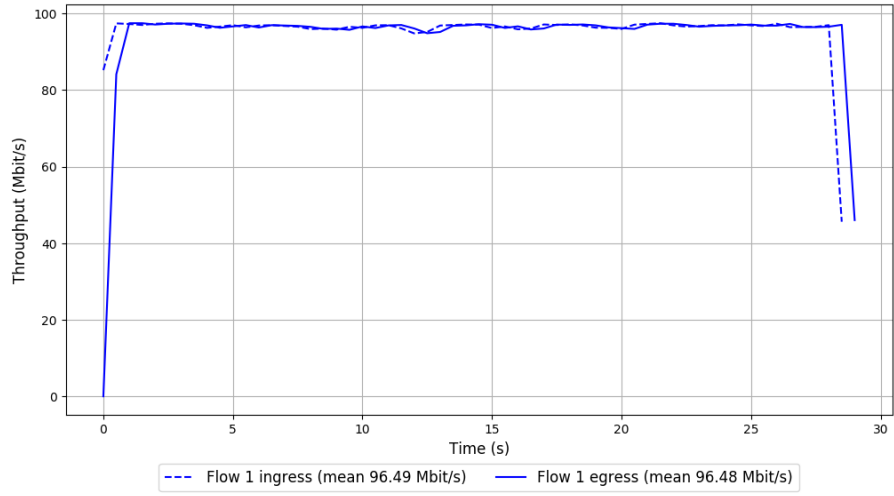
-- Flow 1:

Average throughput: 96.48 Mbit/s

95th percentile per-packet one-way delay: 4.384 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesT — Data Link

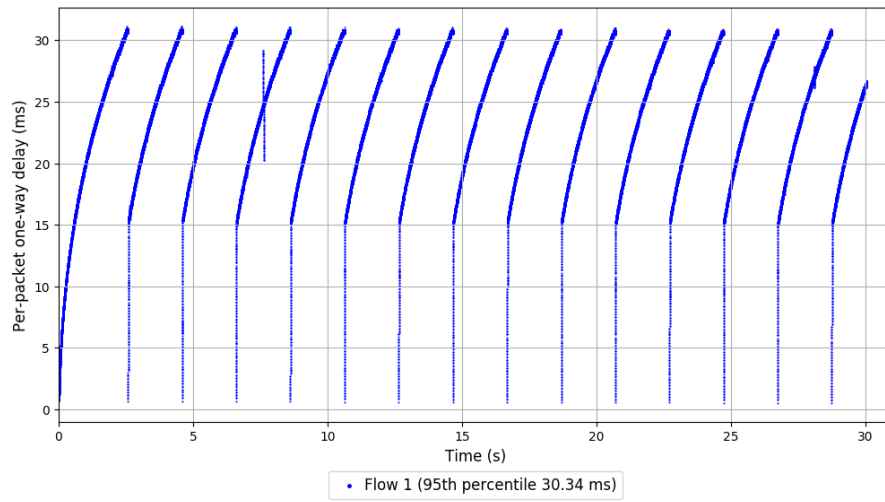
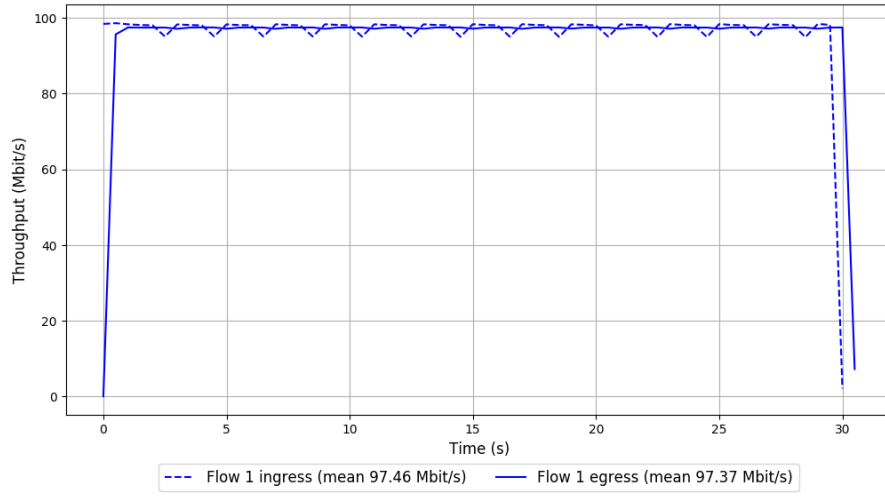


Run 1: Statistics of LEDBAT

Start at: 2020-02-17 21:50:41
End at: 2020-02-17 21:51:11
Local clock offset: -12.657 ms
Remote clock offset: -0.237 ms

Below is generated by plot.py at 2020-02-17 23:50:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 30.341 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 30.341 ms
Loss rate: 0.01%

Run 1: Report of LEDBAT — Data Link

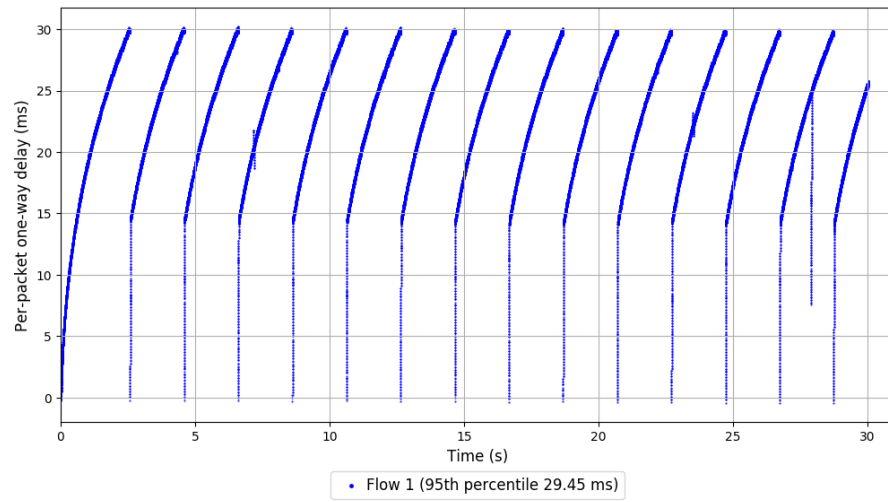
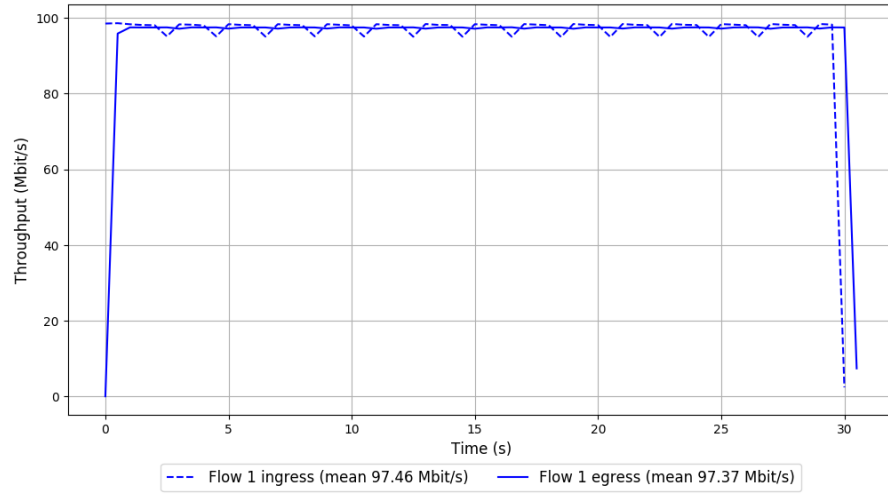


Run 2: Statistics of LEDBAT

Start at: 2020-02-17 22:17:20
End at: 2020-02-17 22:17:50
Local clock offset: -19.163 ms
Remote clock offset: 0.025 ms

```
# Below is generated by plot.py at 2020-02-17 23:50:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 29.445 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 29.445 ms
Loss rate: 0.01%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2020-02-17 22:44:00

End at: 2020-02-17 22:44:31

Local clock offset: -14.12 ms

Remote clock offset: 0.135 ms

Below is generated by plot.py at 2020-02-17 23:50:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.25 Mbit/s

95th percentile per-packet one-way delay: 31.975 ms

Loss rate: 0.01%

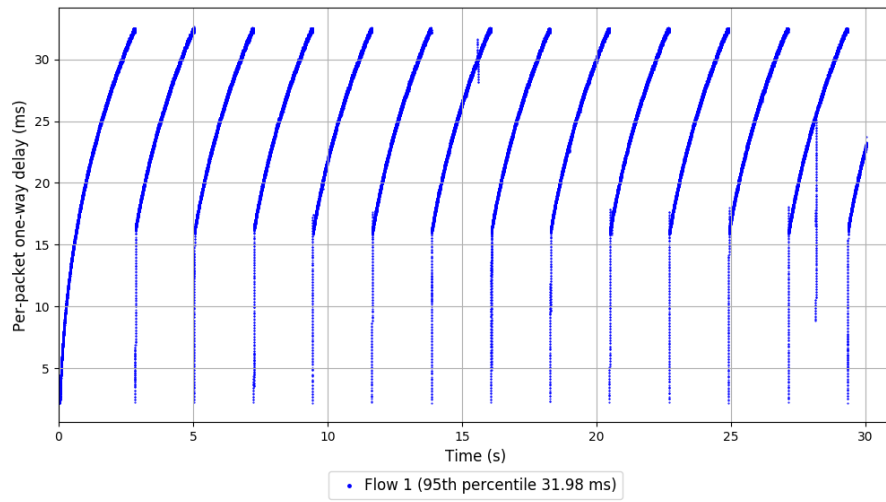
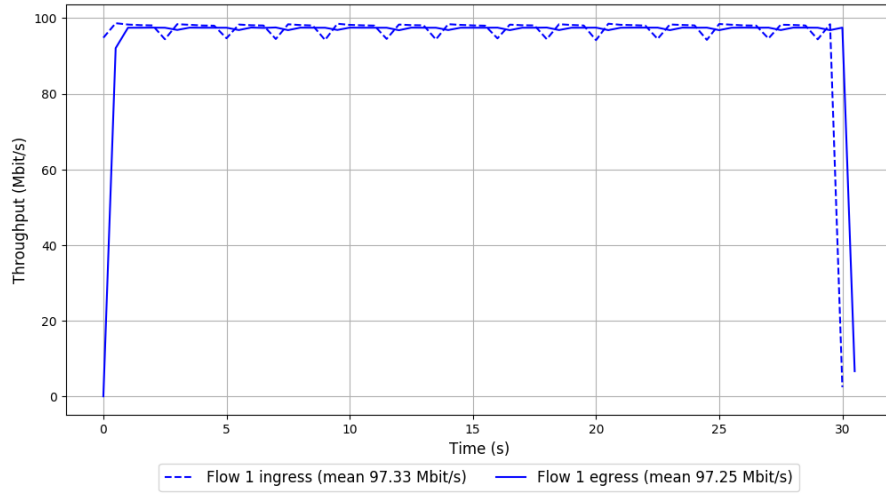
-- Flow 1:

Average throughput: 97.25 Mbit/s

95th percentile per-packet one-way delay: 31.975 ms

Loss rate: 0.01%

Run 3: Report of LEDBAT — Data Link

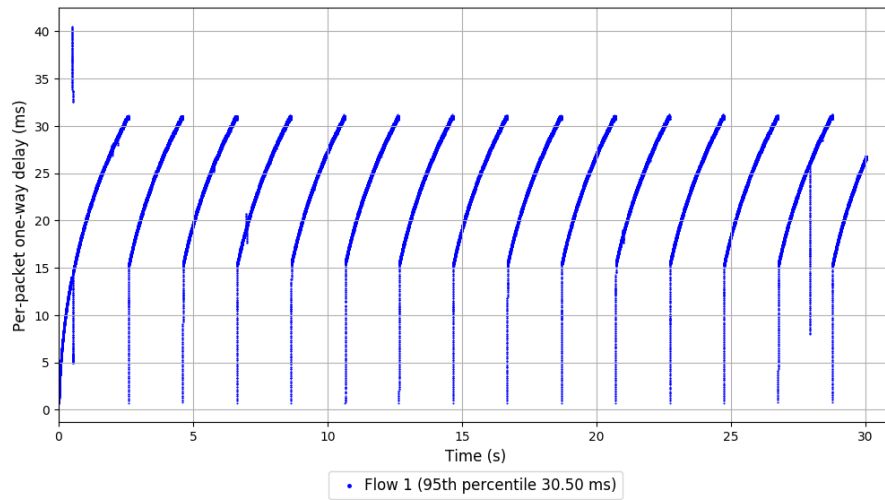
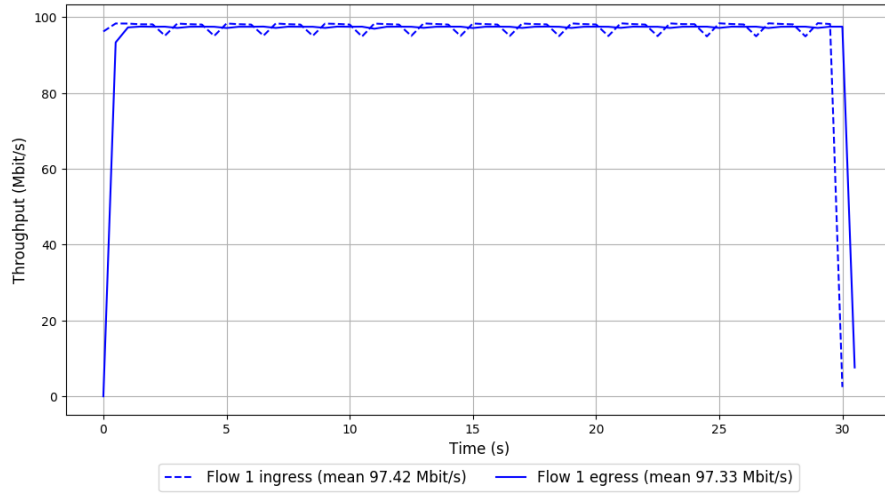


Run 4: Statistics of LEDBAT

Start at: 2020-02-17 23:10:38
End at: 2020-02-17 23:11:08
Local clock offset: -10.043 ms
Remote clock offset: 0.291 ms

```
# Below is generated by plot.py at 2020-02-17 23:51:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 30.496 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 30.496 ms
Loss rate: 0.01%
```

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2020-02-17 23:37:17

End at: 2020-02-17 23:37:47

Local clock offset: -8.0 ms

Remote clock offset: 0.355 ms

Below is generated by plot.py at 2020-02-17 23:51:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.37 Mbit/s

95th percentile per-packet one-way delay: 30.510 ms

Loss rate: 0.01%

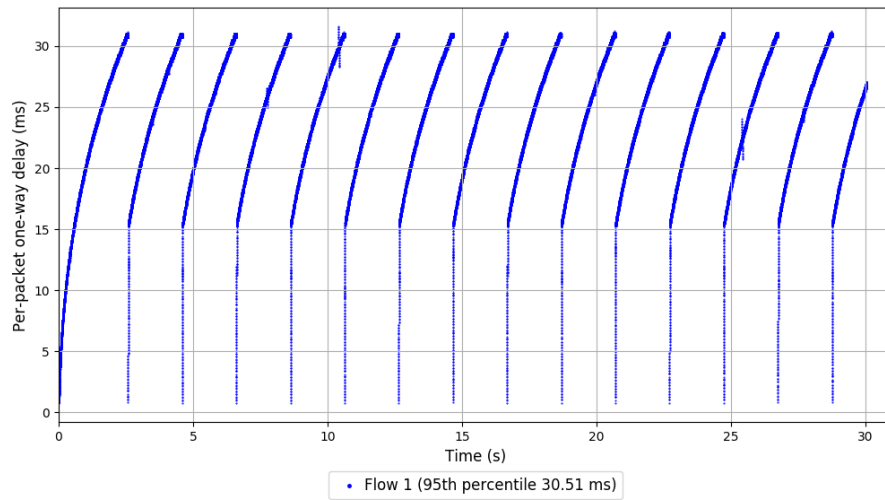
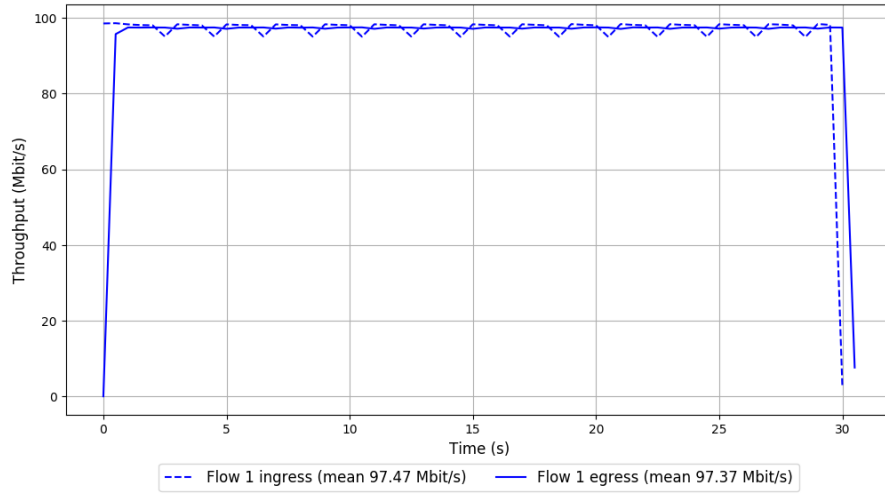
-- Flow 1:

Average throughput: 97.37 Mbit/s

95th percentile per-packet one-way delay: 30.510 ms

Loss rate: 0.01%

Run 5: Report of LEDBAT — Data Link

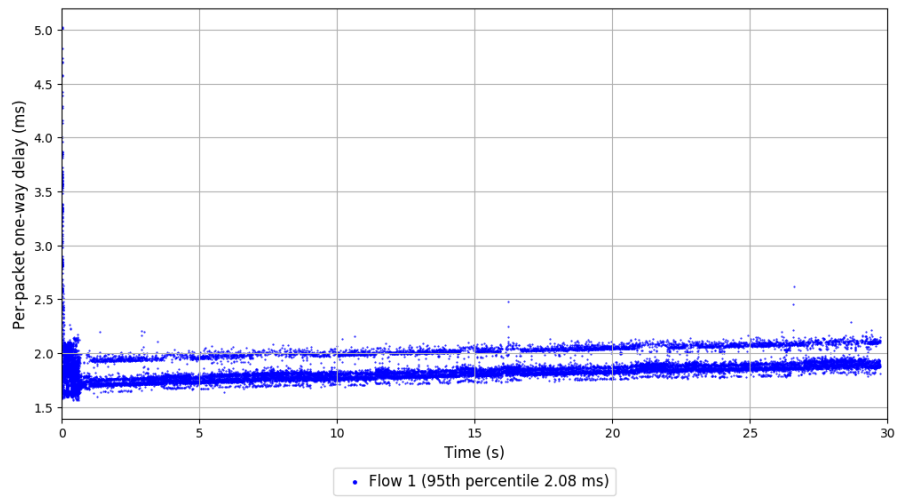
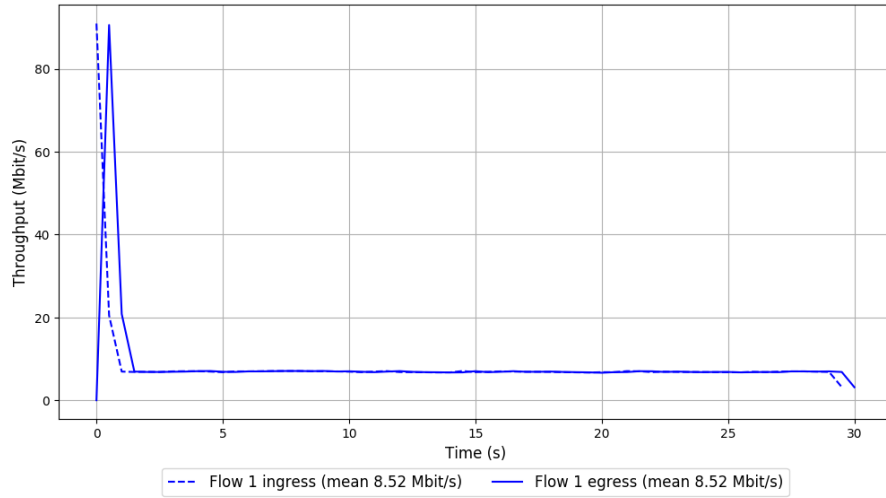


Run 1: Statistics of Muses_DecisionTree

Start at: 2020-02-17 21:46:16
End at: 2020-02-17 21:46:46
Local clock offset: -12.133 ms
Remote clock offset: -0.38 ms

Below is generated by plot.py at 2020-02-17 23:51:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.52 Mbit/s
95th percentile per-packet one-way delay: 2.078 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 8.52 Mbit/s
95th percentile per-packet one-way delay: 2.078 ms
Loss rate: 0.01%

Run 1: Report of Muses_DecisionTree — Data Link

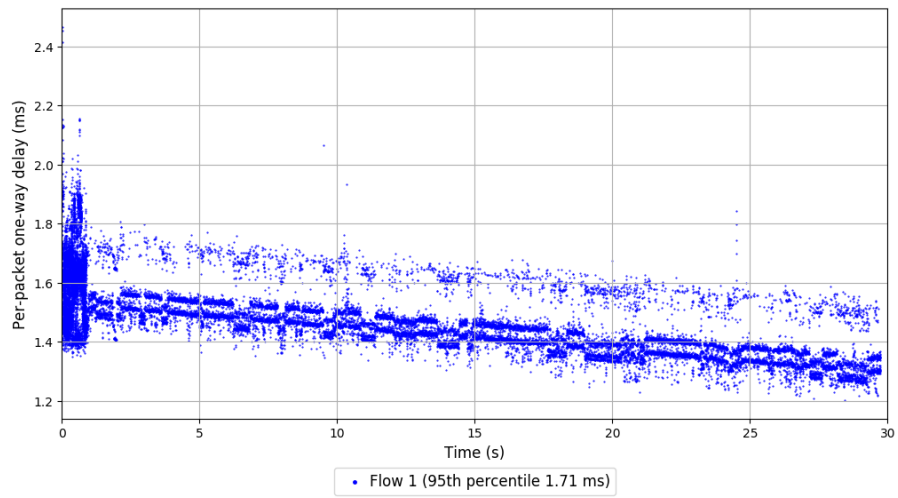
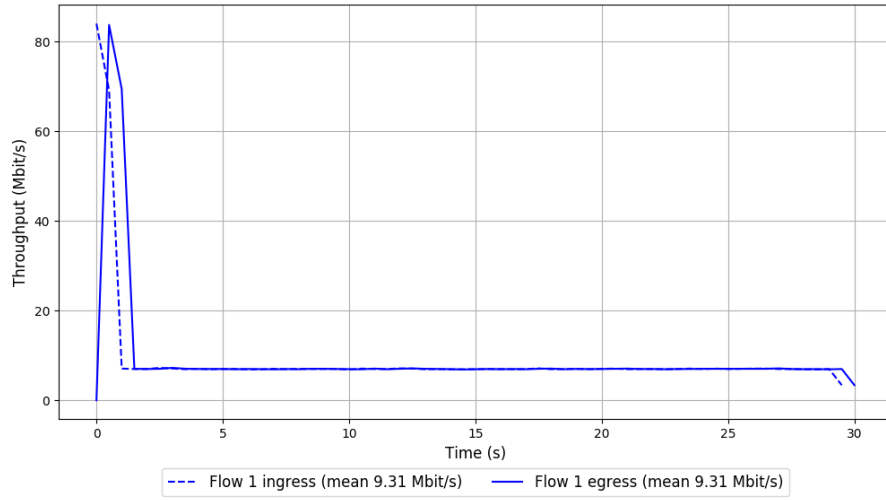


Run 2: Statistics of Muses_DecisionTree

Start at: 2020-02-17 22:12:54
End at: 2020-02-17 22:13:24
Local clock offset: -17.036 ms
Remote clock offset: 0.03 ms

Below is generated by plot.py at 2020-02-17 23:51:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.31 Mbit/s
95th percentile per-packet one-way delay: 1.705 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.31 Mbit/s
95th percentile per-packet one-way delay: 1.705 ms
Loss rate: 0.00%

Run 2: Report of Muses_DecisionTree — Data Link

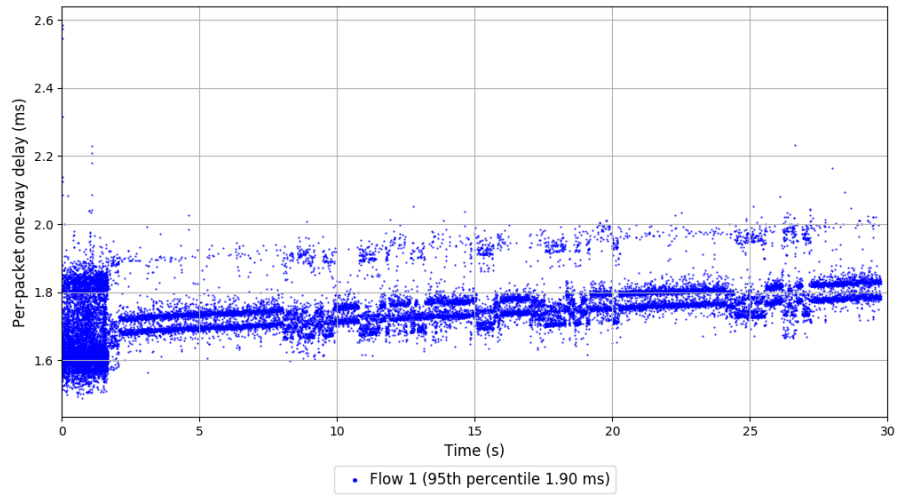
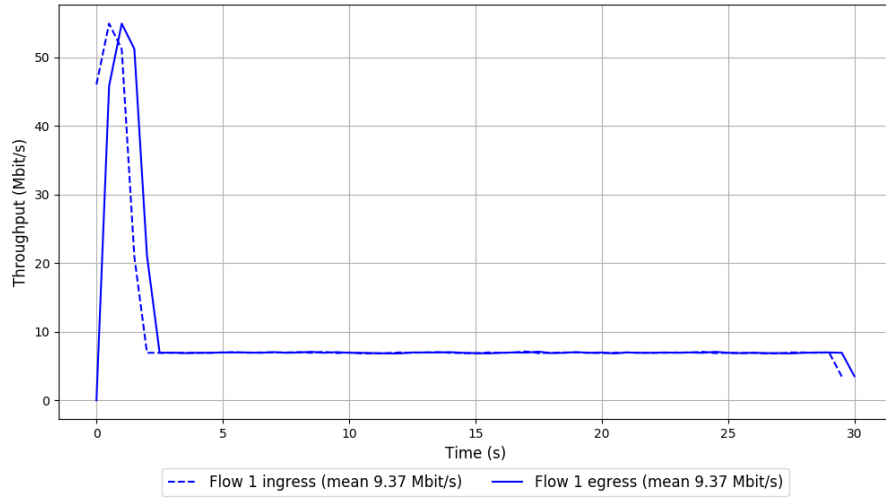


Run 3: Statistics of Muses_DecisionTree

Start at: 2020-02-17 22:39:34
End at: 2020-02-17 22:40:04
Local clock offset: -13.943 ms
Remote clock offset: 0.138 ms

Below is generated by plot.py at 2020-02-17 23:51:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.37 Mbit/s
95th percentile per-packet one-way delay: 1.897 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.37 Mbit/s
95th percentile per-packet one-way delay: 1.897 ms
Loss rate: 0.00%

Run 3: Report of Muses_DecisionTree — Data Link

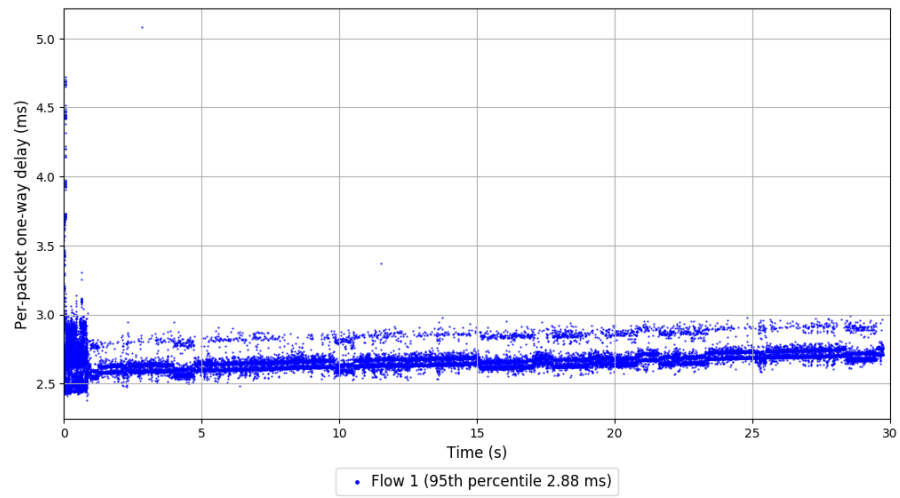
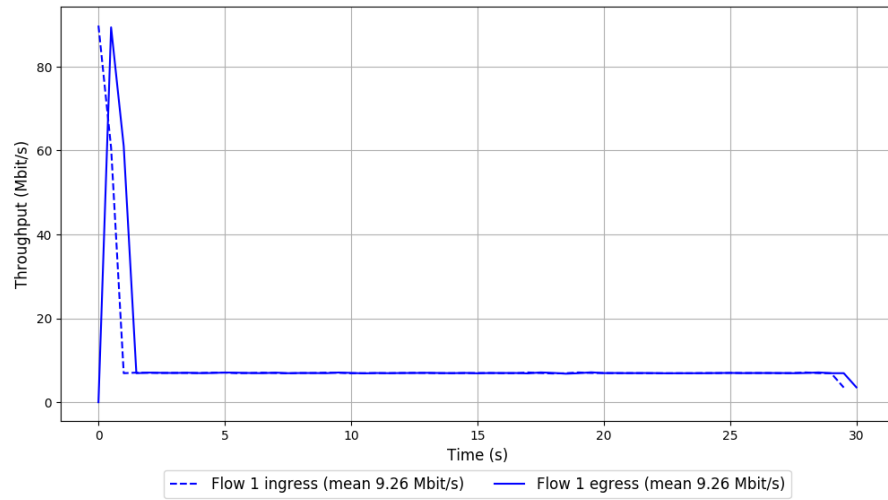


Run 4: Statistics of Muses_DecisionTree

Start at: 2020-02-17 23:06:12
End at: 2020-02-17 23:06:42
Local clock offset: -11.068 ms
Remote clock offset: 0.333 ms

Below is generated by plot.py at 2020-02-17 23:51:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.26 Mbit/s
95th percentile per-packet one-way delay: 2.881 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.26 Mbit/s
95th percentile per-packet one-way delay: 2.881 ms
Loss rate: 0.00%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

Start at: 2020-02-17 23:32:51

End at: 2020-02-17 23:33:21

Local clock offset: -8.94 ms

Remote clock offset: 0.499 ms

Below is generated by plot.py at 2020-02-17 23:51:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.48 Mbit/s

95th percentile per-packet one-way delay: 1.337 ms

Loss rate: 0.00%

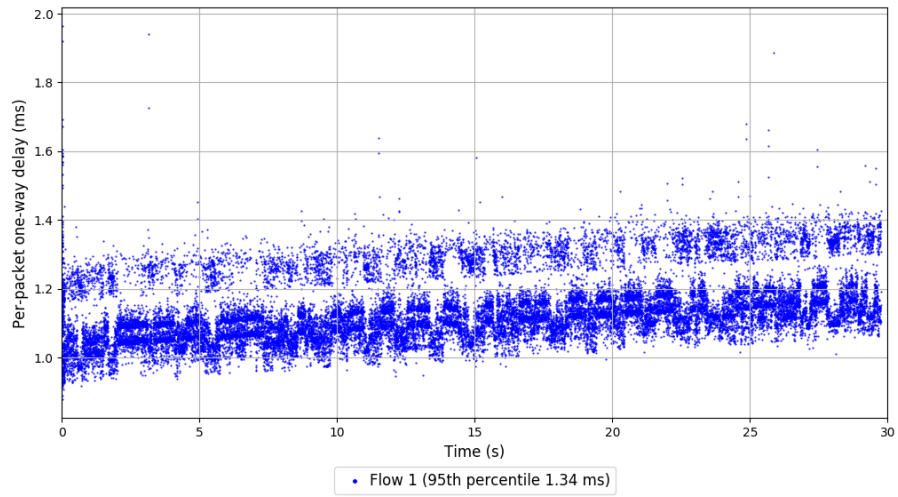
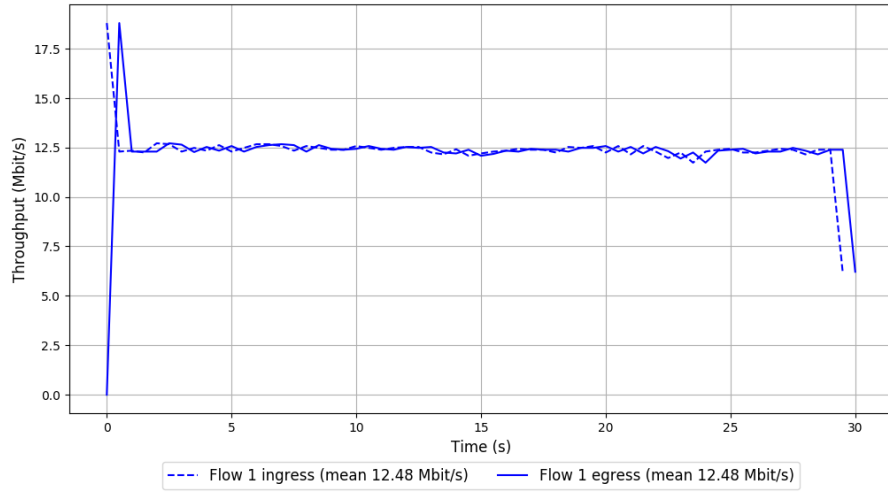
-- Flow 1:

Average throughput: 12.48 Mbit/s

95th percentile per-packet one-way delay: 1.337 ms

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTree — Data Link

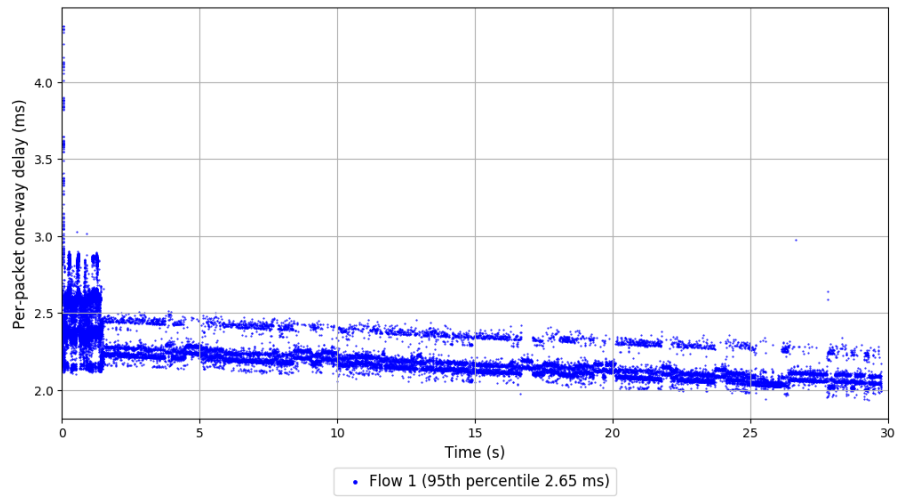
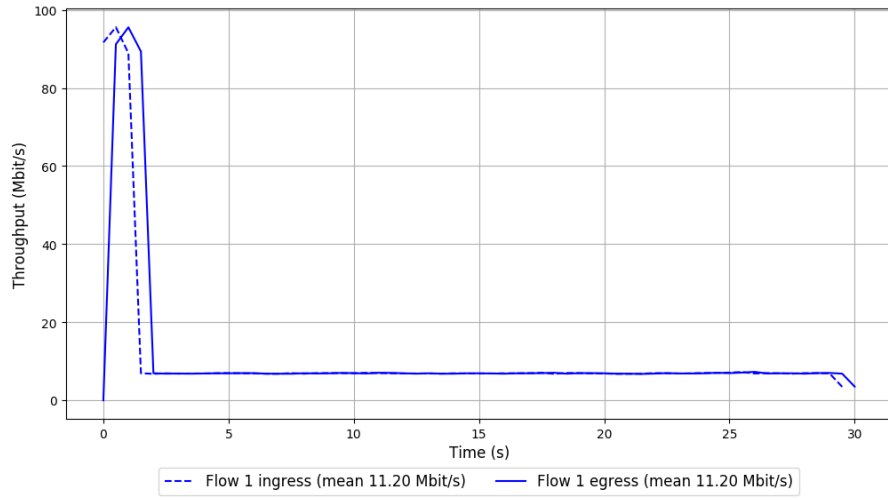


Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-17 21:51:50
End at: 2020-02-17 21:52:20
Local clock offset: -13.129 ms
Remote clock offset: -0.219 ms

Below is generated by plot.py at 2020-02-17 23:51:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.20 Mbit/s
95th percentile per-packet one-way delay: 2.645 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.20 Mbit/s
95th percentile per-packet one-way delay: 2.645 ms
Loss rate: 0.00%

Run 1: Report of Muses_DecisionTreeH0 — Data Link

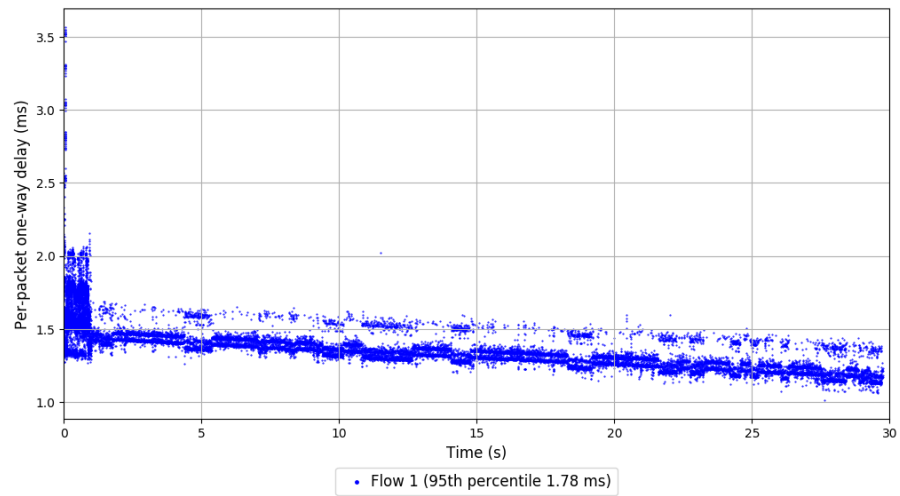
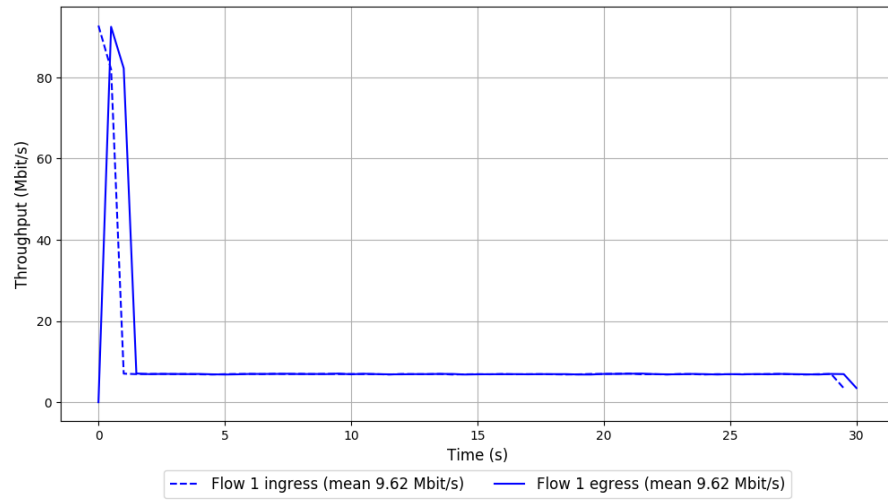


Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-17 22:18:30
End at: 2020-02-17 22:19:00
Local clock offset: -19.882 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2020-02-17 23:51:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.62 Mbit/s
95th percentile per-packet one-way delay: 1.783 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.62 Mbit/s
95th percentile per-packet one-way delay: 1.783 ms
Loss rate: 0.00%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-17 22:45:10

End at: 2020-02-17 22:45:40

Local clock offset: -14.04 ms

Remote clock offset: 0.176 ms

Below is generated by plot.py at 2020-02-17 23:51:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.65 Mbit/s

95th percentile per-packet one-way delay: 1.007 ms

Loss rate: 0.00%

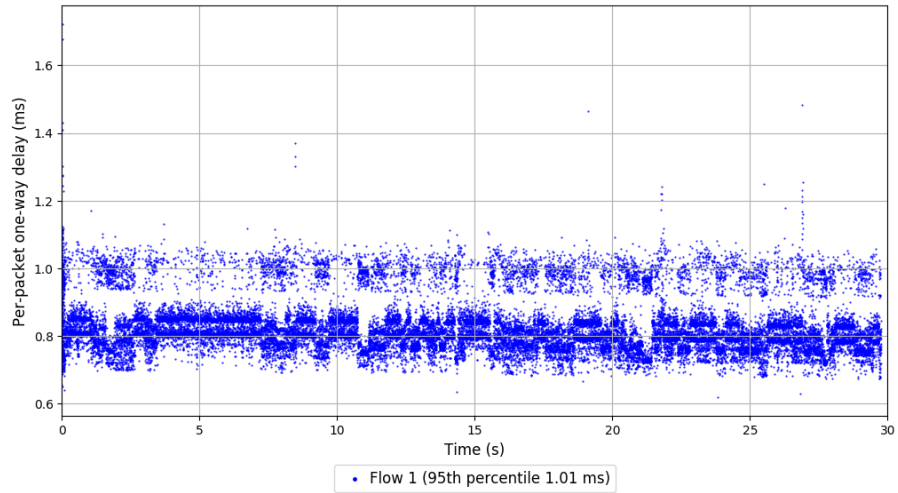
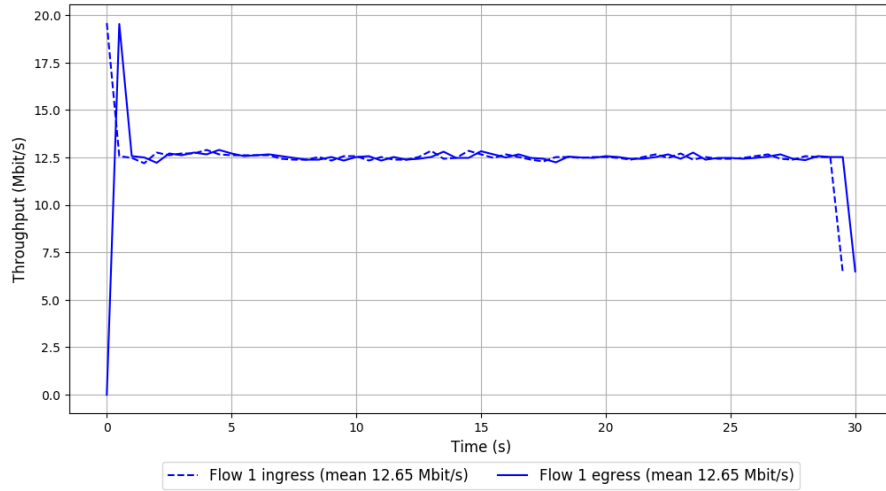
-- Flow 1:

Average throughput: 12.65 Mbit/s

95th percentile per-packet one-way delay: 1.007 ms

Loss rate: 0.00%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-17 23:11:48

End at: 2020-02-17 23:12:18

Local clock offset: -9.955 ms

Remote clock offset: 0.273 ms

Below is generated by plot.py at 2020-02-17 23:51:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.04 Mbit/s

95th percentile per-packet one-way delay: 2.643 ms

Loss rate: 0.00%

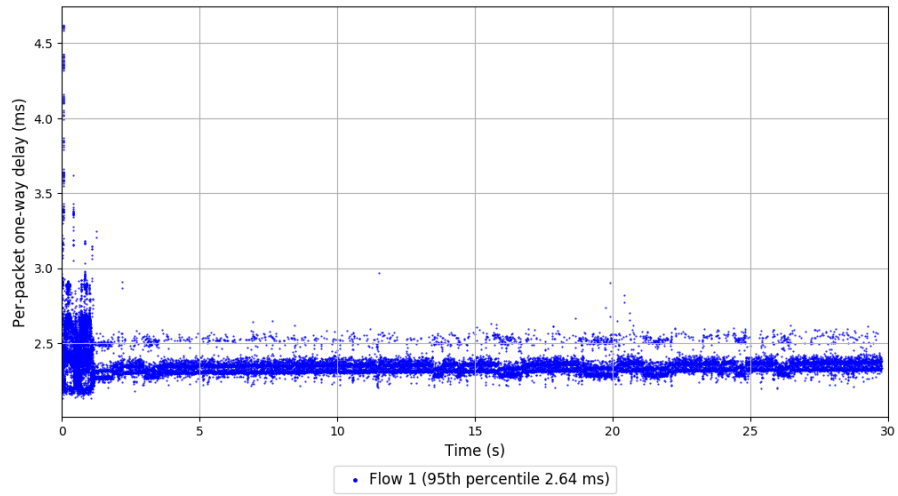
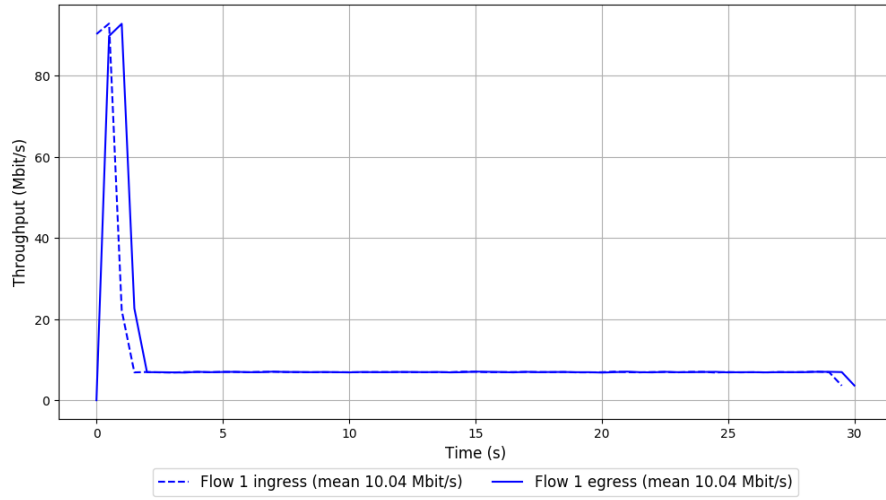
-- Flow 1:

Average throughput: 10.04 Mbit/s

95th percentile per-packet one-way delay: 2.643 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-17 23:38:26

End at: 2020-02-17 23:38:56

Local clock offset: -7.133 ms

Remote clock offset: 0.53 ms

Below is generated by plot.py at 2020-02-17 23:51:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.42 Mbit/s

95th percentile per-packet one-way delay: 2.117 ms

Loss rate: 0.00%

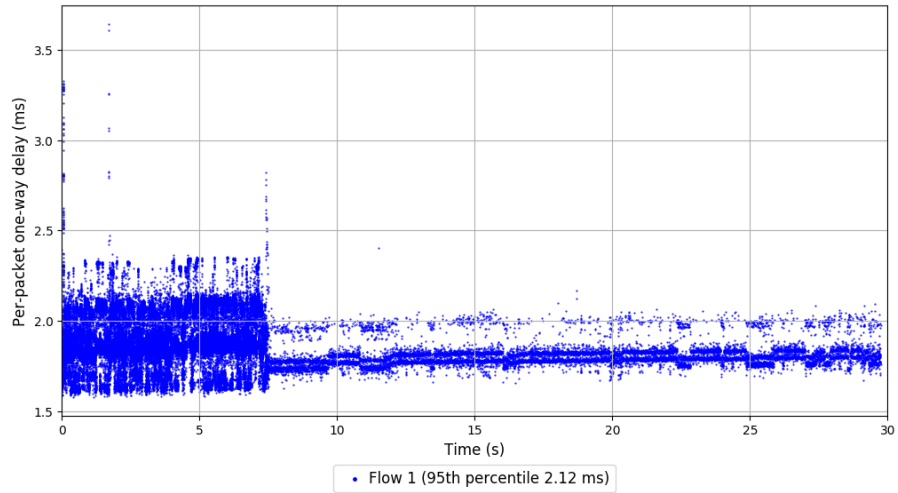
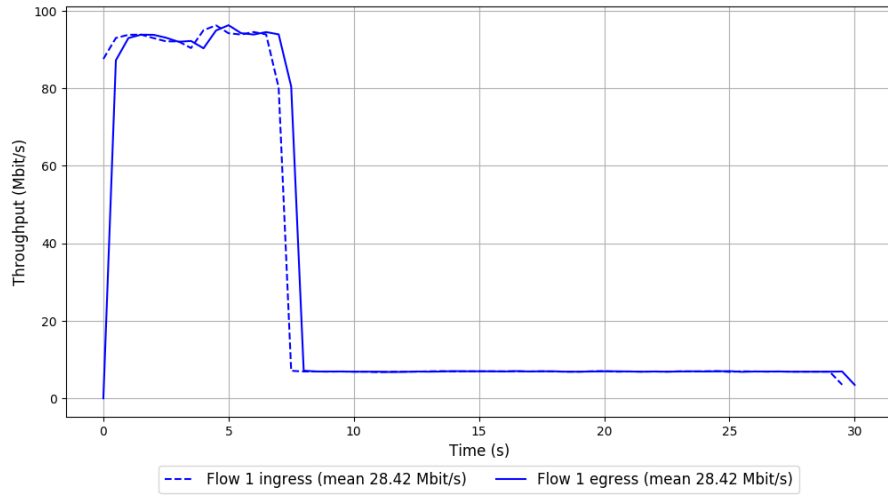
-- Flow 1:

Average throughput: 28.42 Mbit/s

95th percentile per-packet one-way delay: 2.117 ms

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

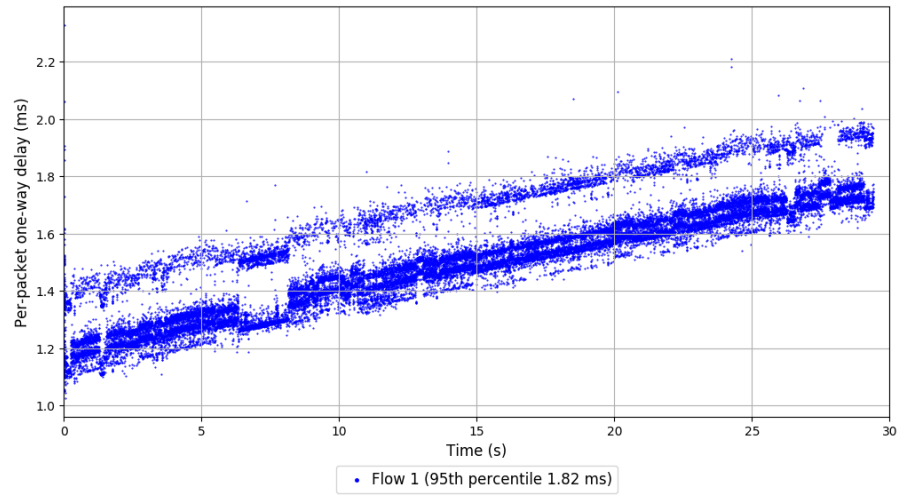
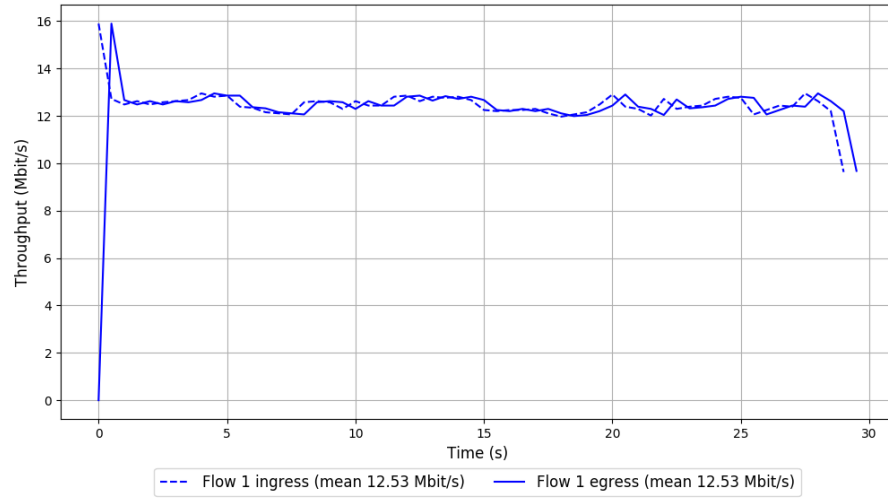


Run 1: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-17 21:37:25
End at: 2020-02-17 21:37:55
Local clock offset: -11.036 ms
Remote clock offset: -0.461 ms

Below is generated by plot.py at 2020-02-17 23:51:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.53 Mbit/s
95th percentile per-packet one-way delay: 1.819 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.53 Mbit/s
95th percentile per-packet one-way delay: 1.819 ms
Loss rate: 0.00%

Run 1: Report of Muses_DecisionTreeR0 — Data Link

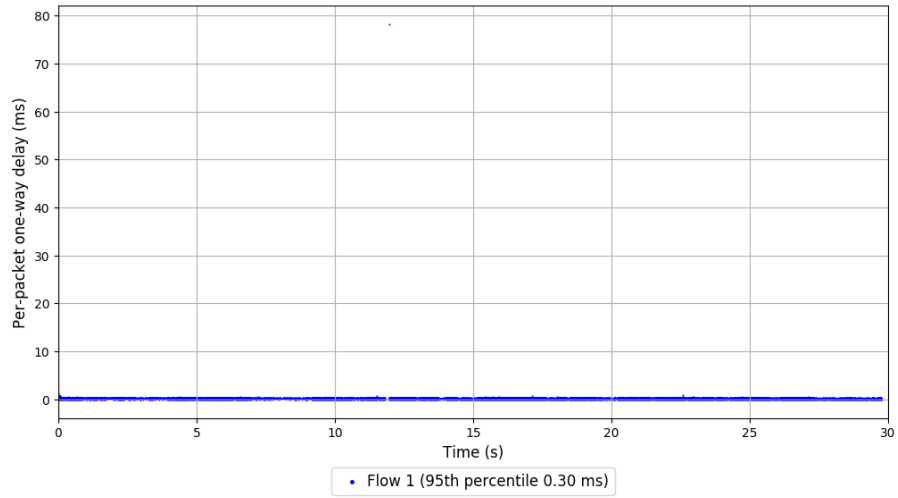
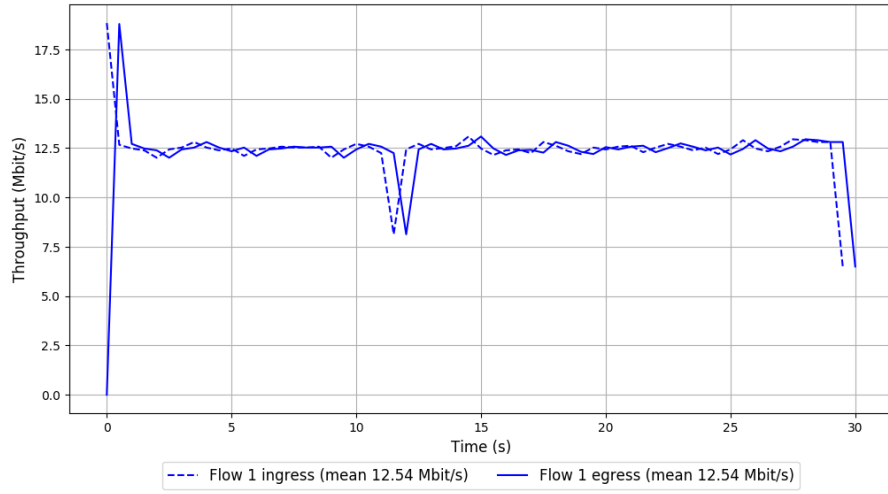


Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-17 22:04:02
End at: 2020-02-17 22:04:32
Local clock offset: -14.555 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2020-02-17 23:51:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.54 Mbit/s
95th percentile per-packet one-way delay: 0.304 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.54 Mbit/s
95th percentile per-packet one-way delay: 0.304 ms
Loss rate: 0.00%

Run 2: Report of Muses_DecisionTreeR0 — Data Link

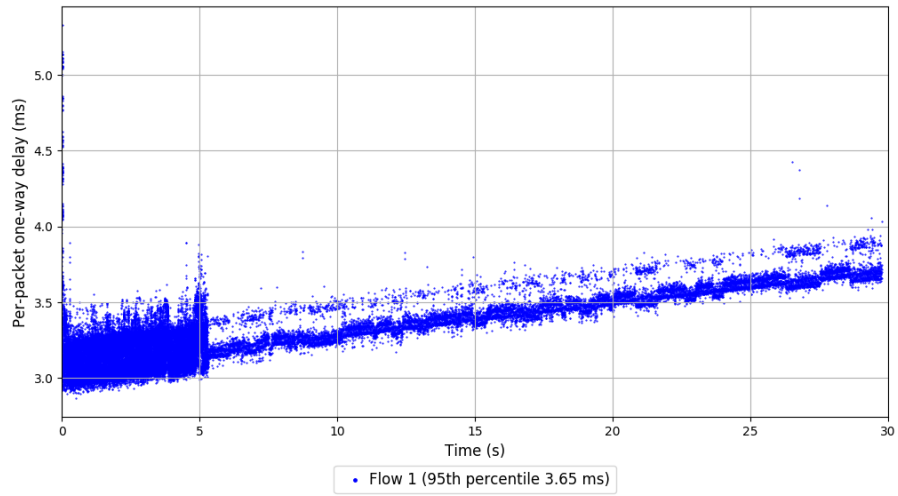
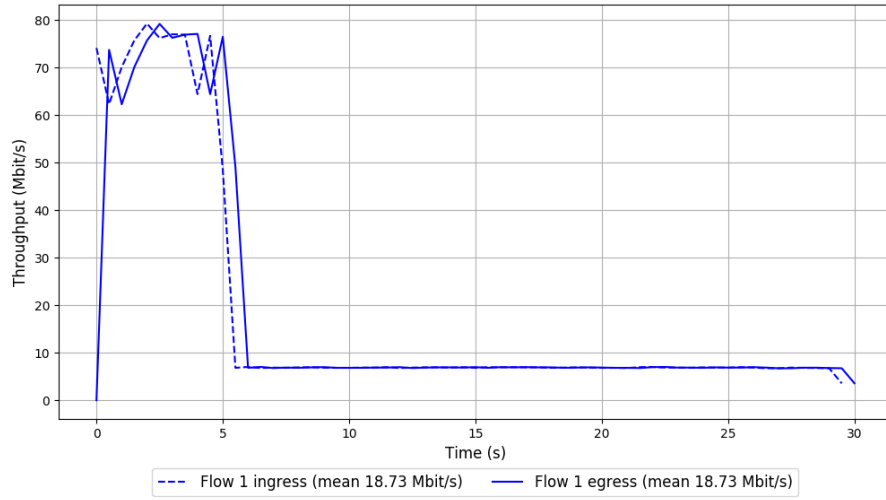


Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-17 22:30:42
End at: 2020-02-17 22:31:12
Local clock offset: -21.548 ms
Remote clock offset: 0.136 ms

Below is generated by plot.py at 2020-02-17 23:51:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.73 Mbit/s
95th percentile per-packet one-way delay: 3.650 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 18.73 Mbit/s
95th percentile per-packet one-way delay: 3.650 ms
Loss rate: 0.00%

Run 3: Report of Muses_DecisionTreeR0 — Data Link

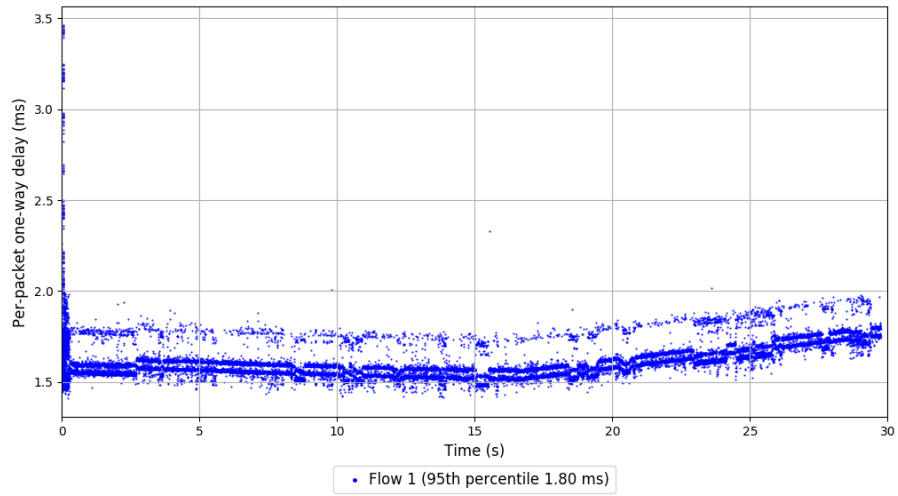
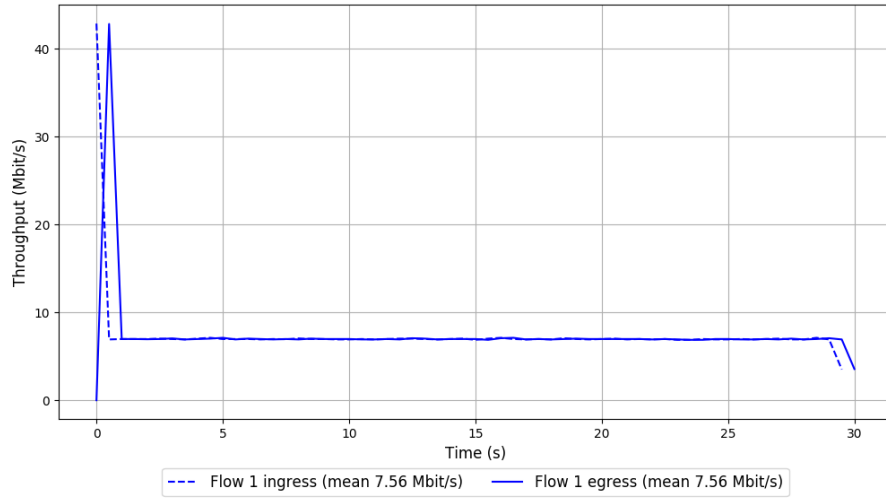


Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-17 22:57:21
End at: 2020-02-17 22:57:51
Local clock offset: -15.504 ms
Remote clock offset: 0.335 ms

Below is generated by plot.py at 2020-02-17 23:51:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.56 Mbit/s
95th percentile per-packet one-way delay: 1.800 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.56 Mbit/s
95th percentile per-packet one-way delay: 1.800 ms
Loss rate: 0.00%

Run 4: Report of Muses_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-17 23:23:59

End at: 2020-02-17 23:24:29

Local clock offset: -9.791 ms

Remote clock offset: 0.5 ms

Below is generated by plot.py at 2020-02-17 23:51:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.52 Mbit/s

95th percentile per-packet one-way delay: 1.971 ms

Loss rate: 0.01%

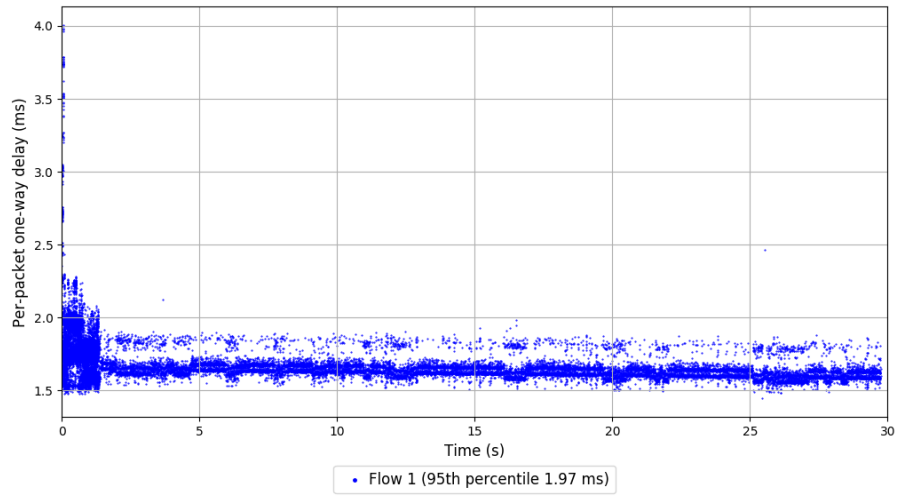
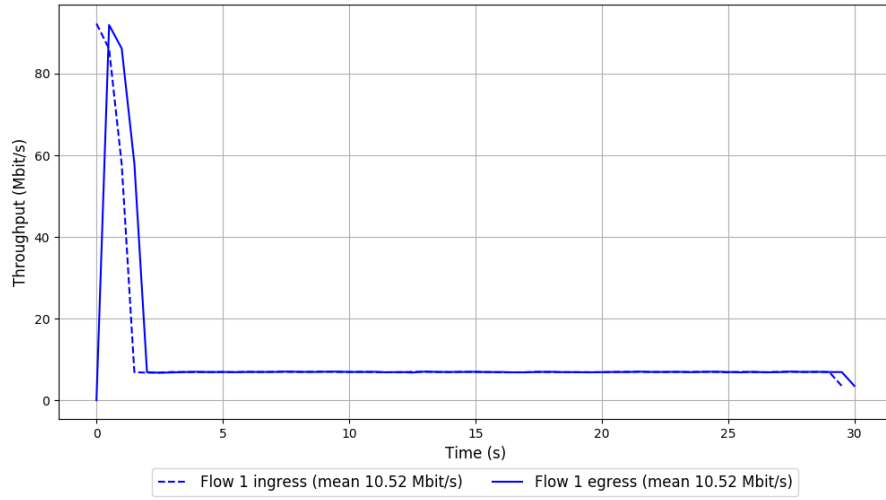
-- Flow 1:

Average throughput: 10.52 Mbit/s

95th percentile per-packet one-way delay: 1.971 ms

Loss rate: 0.01%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

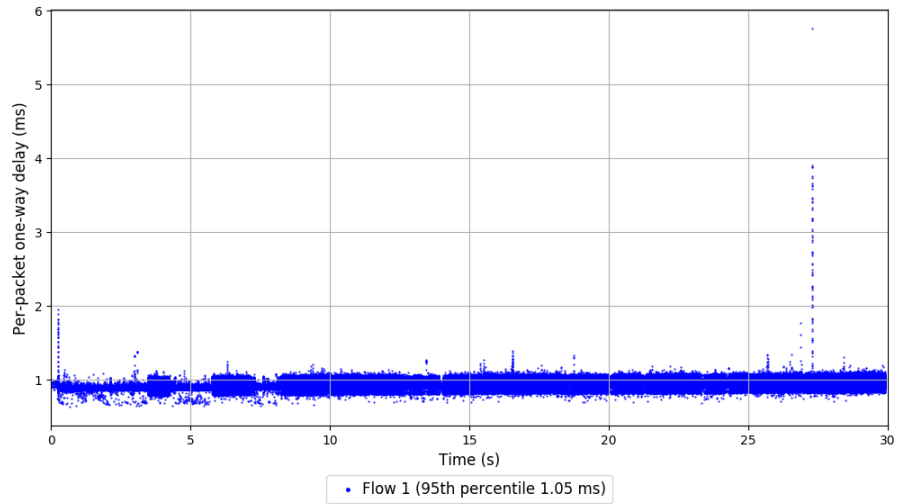
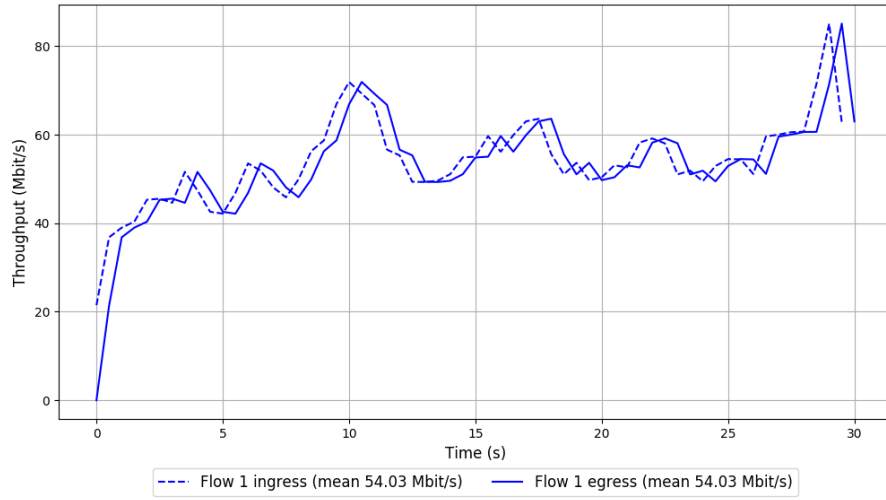


Run 1: Statistics of PCC-Allegro

Start at: 2020-02-17 21:47:21
End at: 2020-02-17 21:47:51
Local clock offset: -12.446 ms
Remote clock offset: -0.334 ms

Below is generated by plot.py at 2020-02-17 23:51:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.03 Mbit/s
95th percentile per-packet one-way delay: 1.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.03 Mbit/s
95th percentile per-packet one-way delay: 1.050 ms
Loss rate: 0.00%

Run 1: Report of PCC-Allegro — Data Link

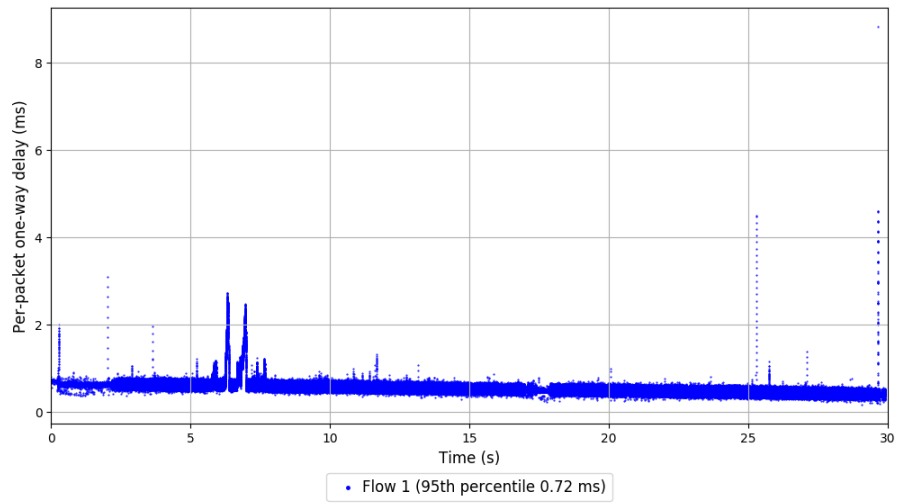
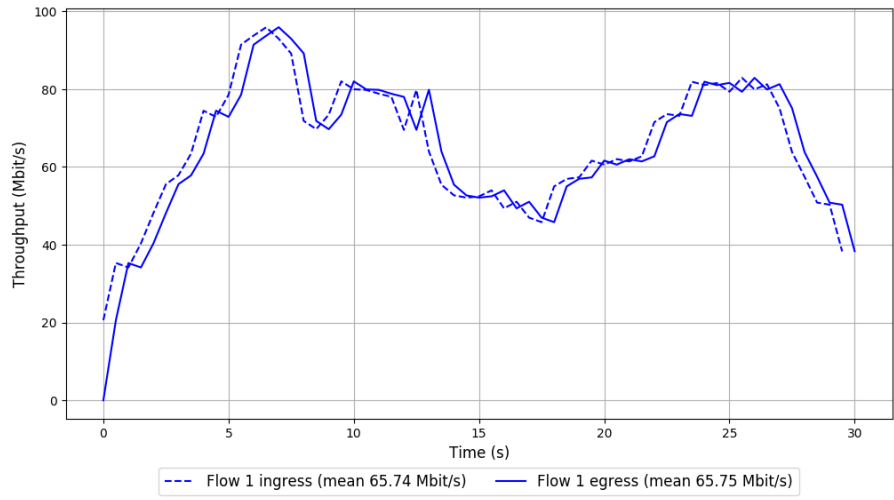


Run 2: Statistics of PCC-Allegro

Start at: 2020-02-17 22:13:59
End at: 2020-02-17 22:14:29
Local clock offset: -18.243 ms
Remote clock offset: -0.05 ms

Below is generated by plot.py at 2020-02-17 23:51:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.75 Mbit/s
95th percentile per-packet one-way delay: 0.720 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.75 Mbit/s
95th percentile per-packet one-way delay: 0.720 ms
Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link

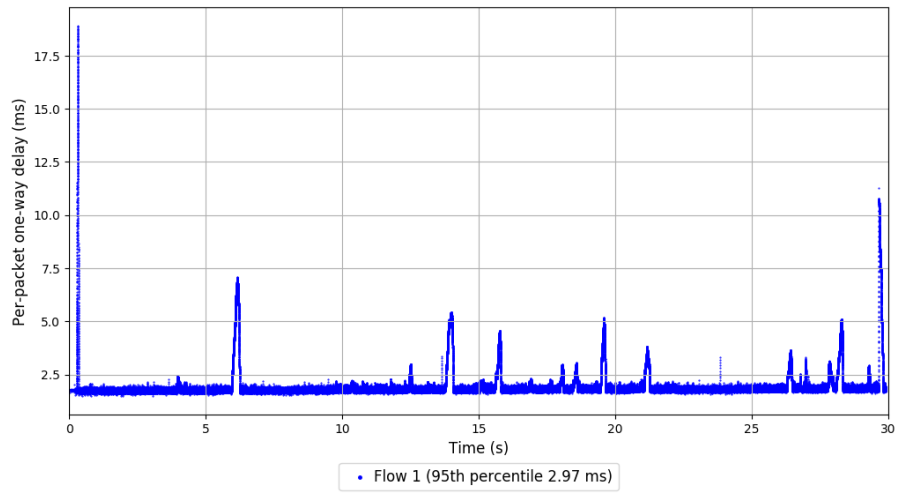
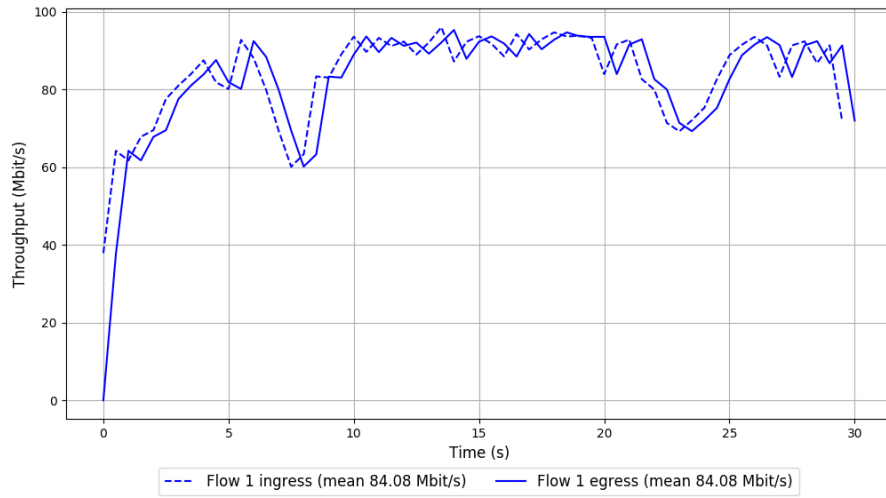


Run 3: Statistics of PCC-Allegro

Start at: 2020-02-17 22:40:39
End at: 2020-02-17 22:41:09
Local clock offset: -13.712 ms
Remote clock offset: 0.246 ms

```
# Below is generated by plot.py at 2020-02-17 23:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.08 Mbit/s
95th percentile per-packet one-way delay: 2.973 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.08 Mbit/s
95th percentile per-packet one-way delay: 2.973 ms
Loss rate: 0.00%
```

Run 3: Report of PCC-Allegro — Data Link

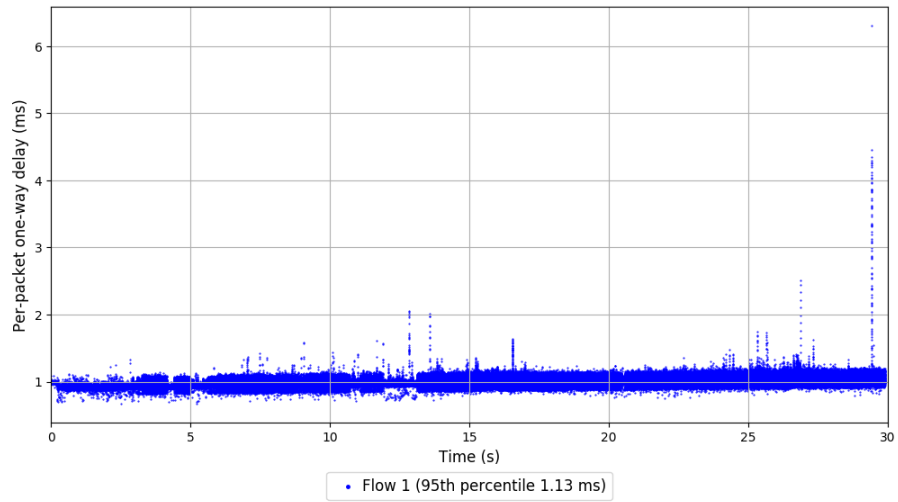
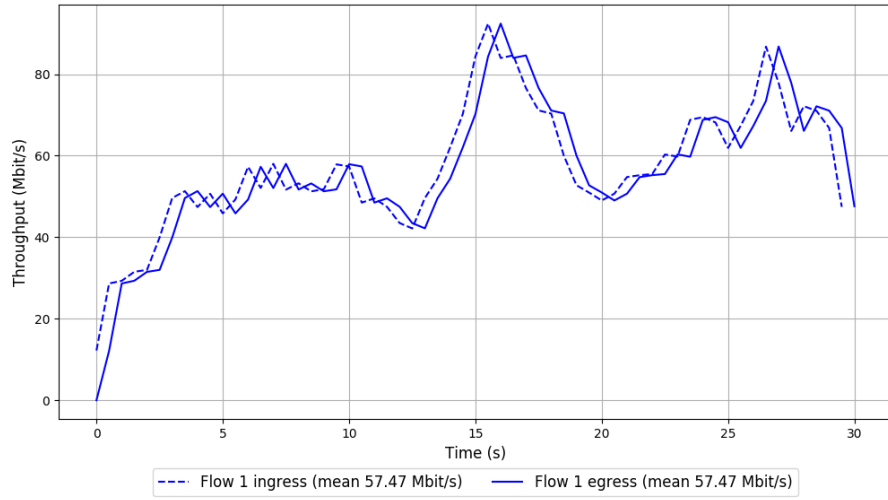


Run 4: Statistics of PCC-Allegro

Start at: 2020-02-17 23:07:17
End at: 2020-02-17 23:07:47
Local clock offset: -10.666 ms
Remote clock offset: 0.312 ms

```
# Below is generated by plot.py at 2020-02-17 23:52:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.47 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.47 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2020-02-17 23:33:55

End at: 2020-02-17 23:34:26

Local clock offset: -8.684 ms

Remote clock offset: 0.522 ms

Below is generated by plot.py at 2020-02-17 23:52:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.42 Mbit/s

95th percentile per-packet one-way delay: 1.314 ms

Loss rate: 0.00%

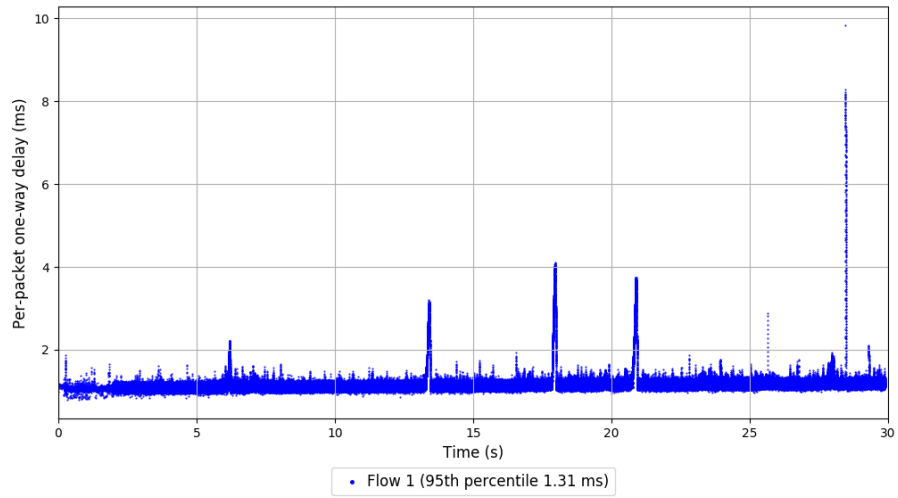
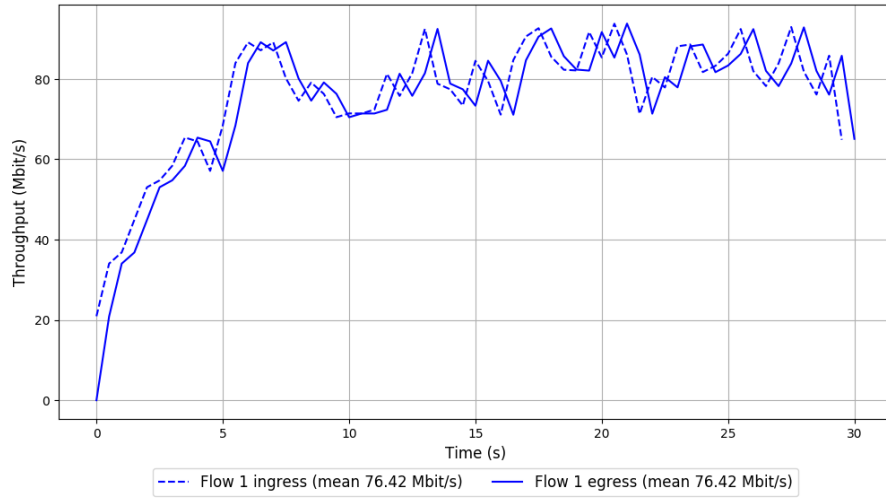
-- Flow 1:

Average throughput: 76.42 Mbit/s

95th percentile per-packet one-way delay: 1.314 ms

Loss rate: 0.00%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2020-02-17 21:38:29
End at: 2020-02-17 21:38:59
Local clock offset: -9.927 ms
Remote clock offset: -0.466 ms

Below is generated by plot.py at 2020-02-17 23:52:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.10 Mbit/s

95th percentile per-packet one-way delay: 1.188 ms

Loss rate: 7.13%

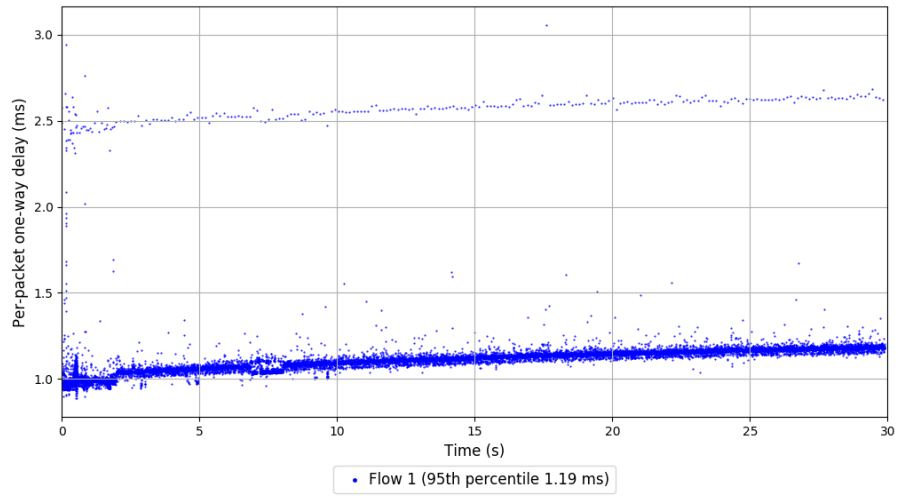
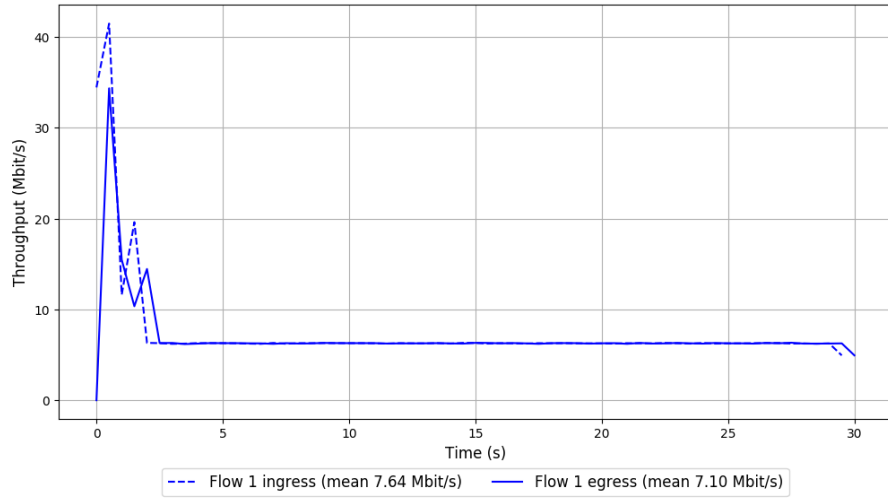
-- Flow 1:

Average throughput: 7.10 Mbit/s

95th percentile per-packet one-way delay: 1.188 ms

Loss rate: 7.13%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2020-02-17 22:05:07

End at: 2020-02-17 22:05:37

Local clock offset: -15.4 ms

Remote clock offset: -0.134 ms

Below is generated by plot.py at 2020-02-17 23:52:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.40 Mbit/s

95th percentile per-packet one-way delay: 0.871 ms

Loss rate: 0.00%

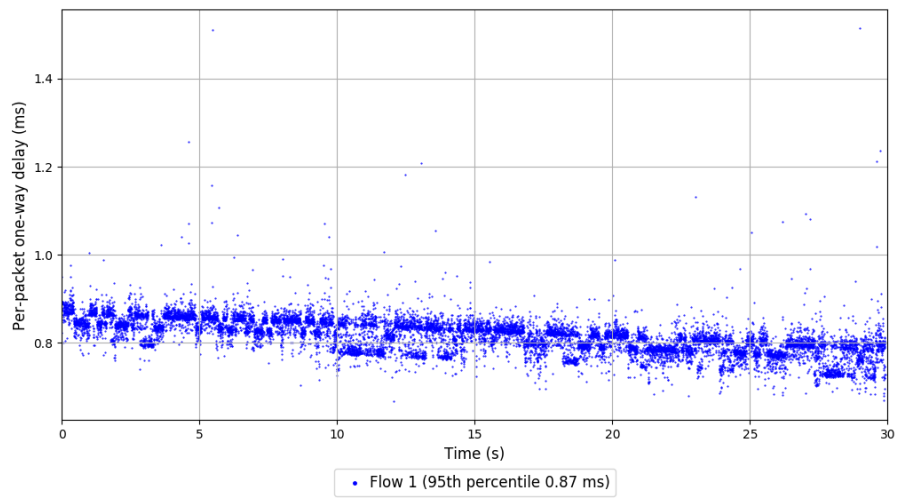
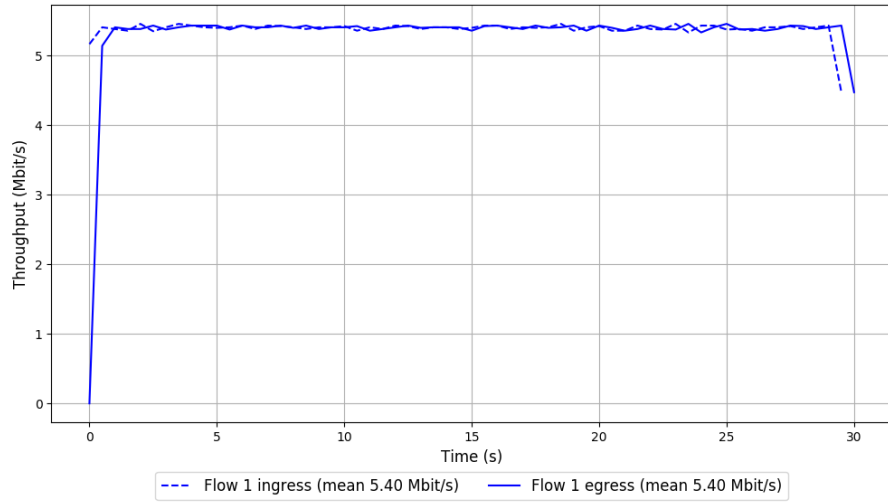
-- Flow 1:

Average throughput: 5.40 Mbit/s

95th percentile per-packet one-way delay: 0.871 ms

Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link

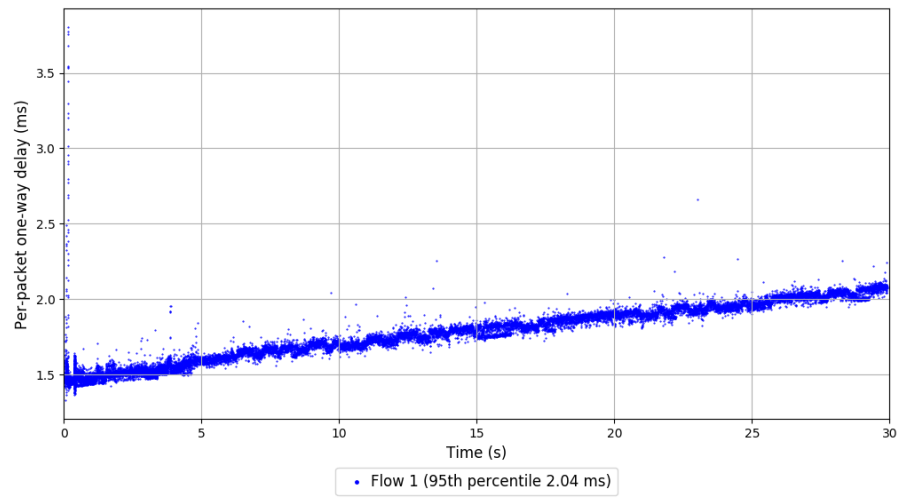
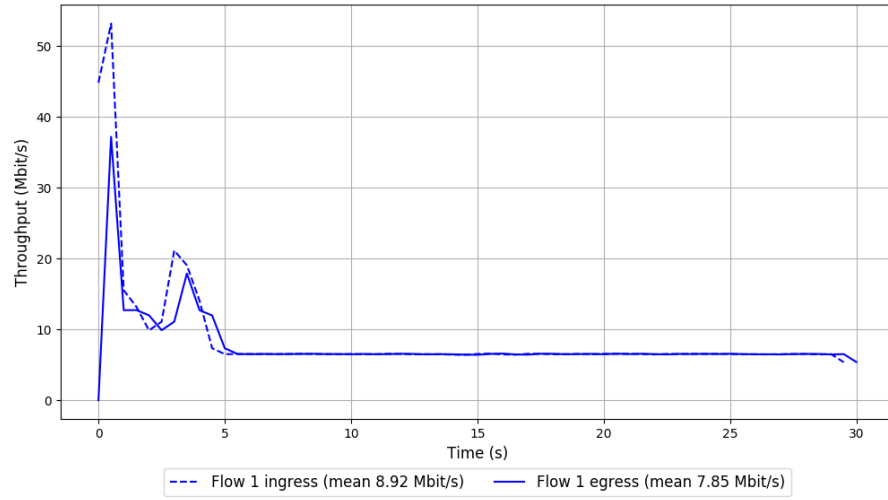


Run 3: Statistics of PCC-Expr

Start at: 2020-02-17 22:31:47
End at: 2020-02-17 22:32:17
Local clock offset: -20.089 ms
Remote clock offset: 0.191 ms

Below is generated by plot.py at 2020-02-17 23:52:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 2.038 ms
Loss rate: 11.94%
-- Flow 1:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 2.038 ms
Loss rate: 11.94%

Run 3: Report of PCC-Expr — Data Link

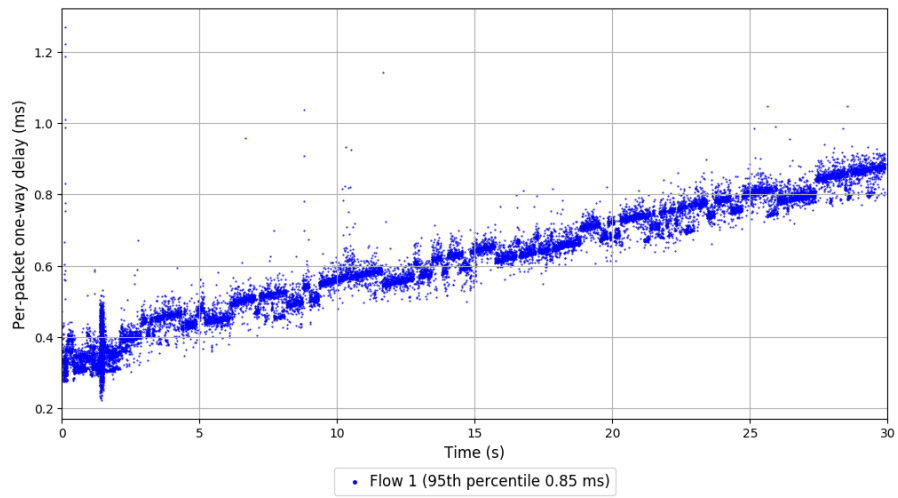
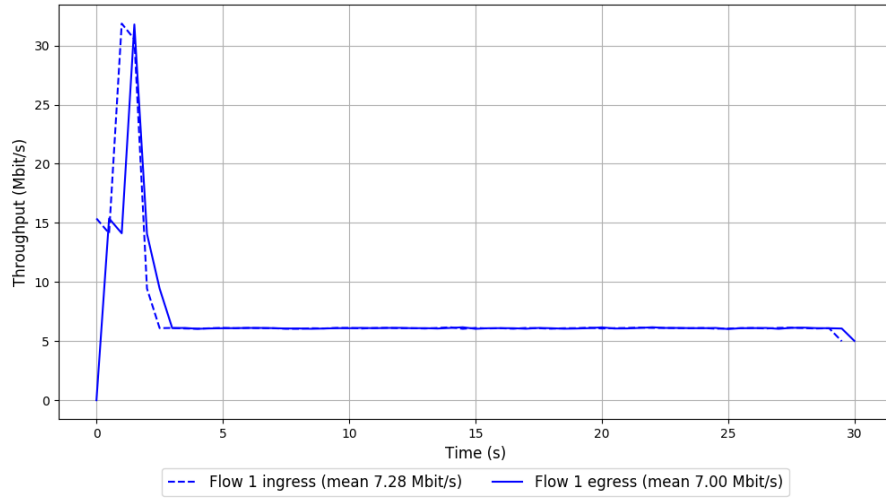


Run 4: Statistics of PCC-Expr

Start at: 2020-02-17 22:58:25
End at: 2020-02-17 22:58:55
Local clock offset: -15.116 ms
Remote clock offset: 0.2 ms

Below is generated by plot.py at 2020-02-17 23:52:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.00 Mbit/s
95th percentile per-packet one-way delay: 0.850 ms
Loss rate: 3.80%
-- Flow 1:
Average throughput: 7.00 Mbit/s
95th percentile per-packet one-way delay: 0.850 ms
Loss rate: 3.80%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2020-02-17 23:25:03

End at: 2020-02-17 23:25:33

Local clock offset: -9.926 ms

Remote clock offset: 0.392 ms

Below is generated by plot.py at 2020-02-17 23:52:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.79 Mbit/s

95th percentile per-packet one-way delay: 1.563 ms

Loss rate: 24.45%

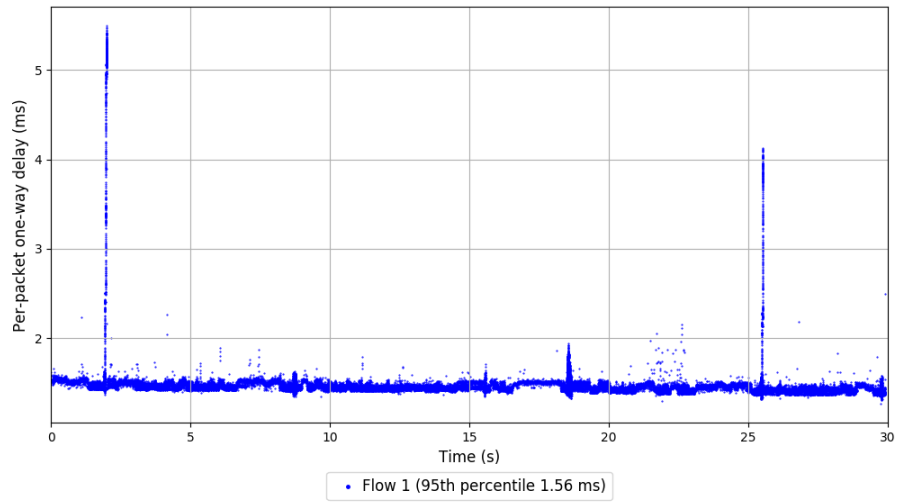
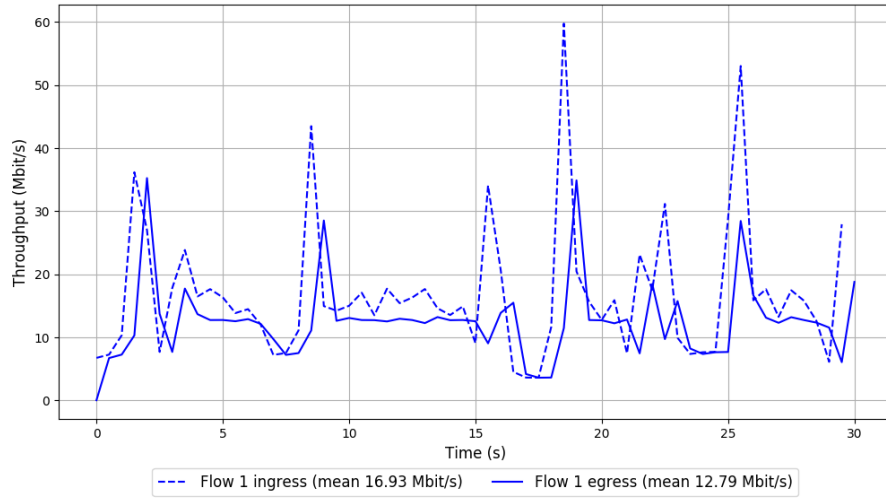
-- Flow 1:

Average throughput: 12.79 Mbit/s

95th percentile per-packet one-way delay: 1.563 ms

Loss rate: 24.45%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2020-02-17 21:34:05

End at: 2020-02-17 21:34:35

Local clock offset: -9.07 ms

Remote clock offset: -0.524 ms

Below is generated by plot.py at 2020-02-17 23:52:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.40 Mbit/s

95th percentile per-packet one-way delay: 4.436 ms

Loss rate: 0.27%

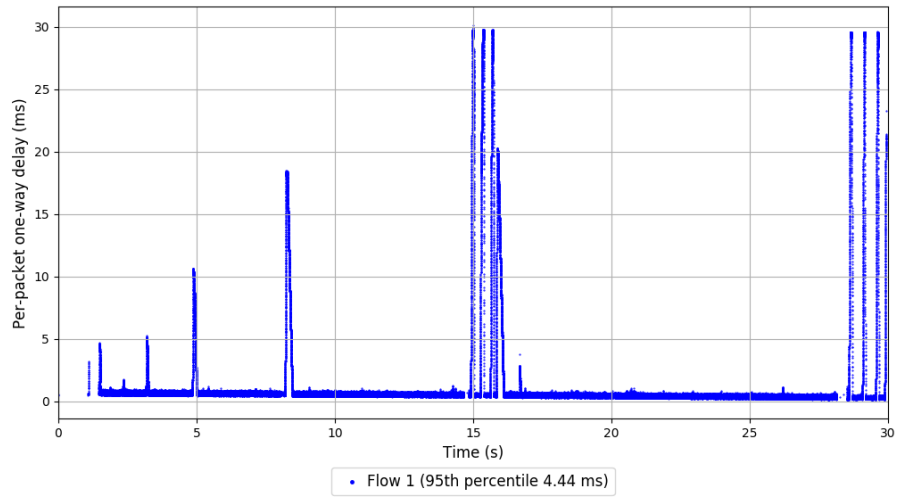
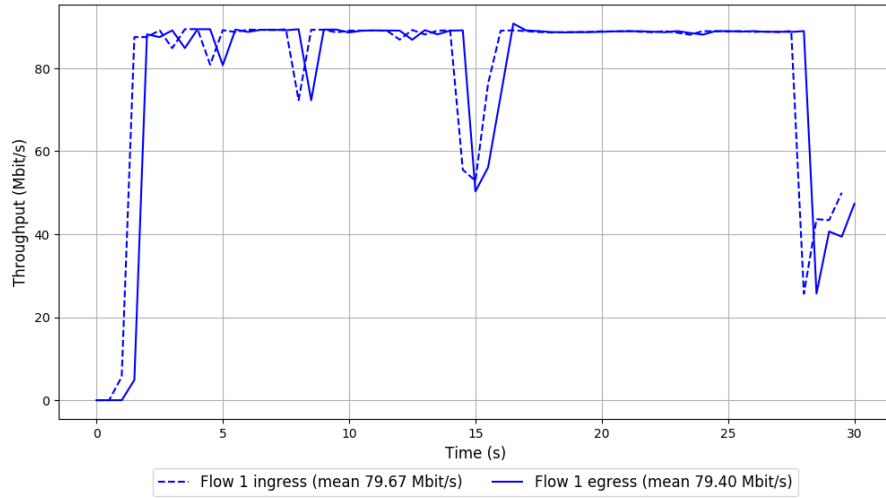
-- Flow 1:

Average throughput: 79.40 Mbit/s

95th percentile per-packet one-way delay: 4.436 ms

Loss rate: 0.27%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2020-02-17 22:00:42

End at: 2020-02-17 22:01:12

Local clock offset: -14.951 ms

Remote clock offset: -0.175 ms

Below is generated by plot.py at 2020-02-17 23:52:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.34 Mbit/s

95th percentile per-packet one-way delay: 4.151 ms

Loss rate: 0.44%

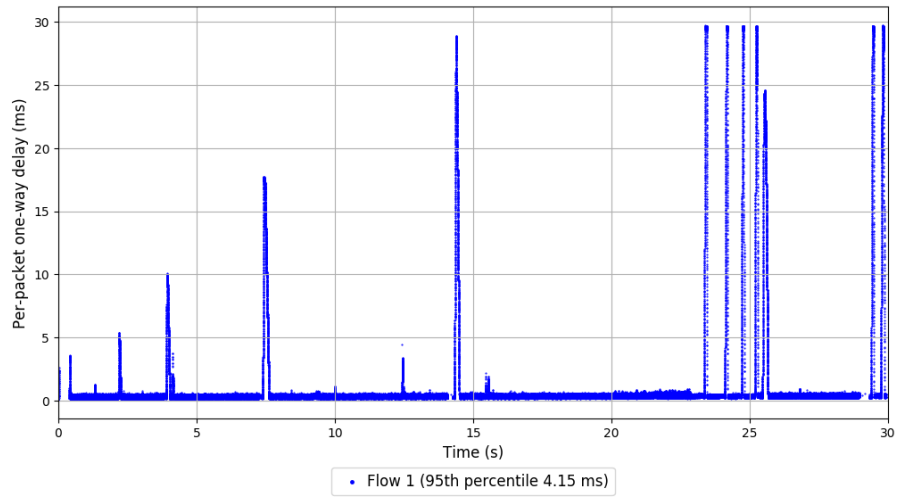
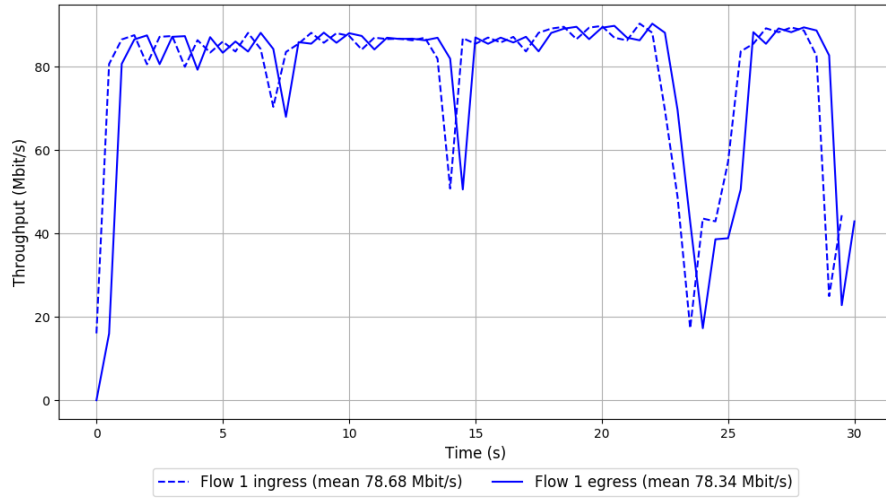
-- Flow 1:

Average throughput: 78.34 Mbit/s

95th percentile per-packet one-way delay: 4.151 ms

Loss rate: 0.44%

Run 2: Report of QUIC Cubic — Data Link

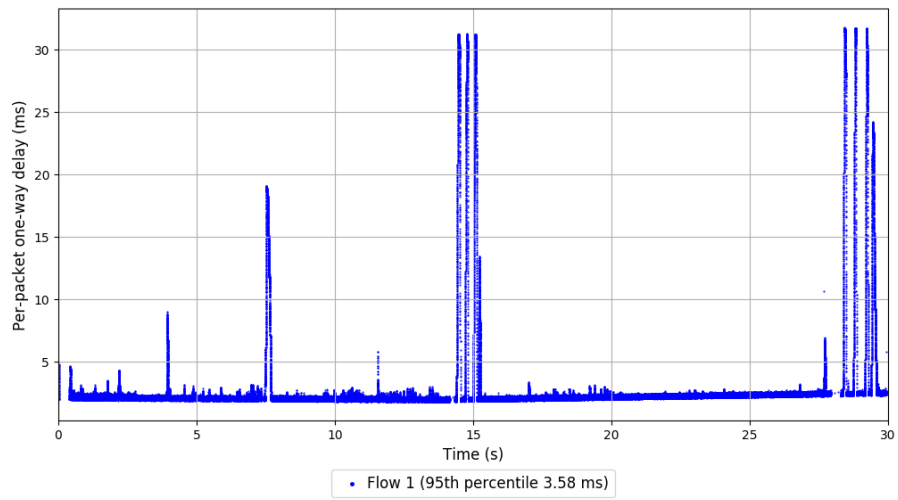
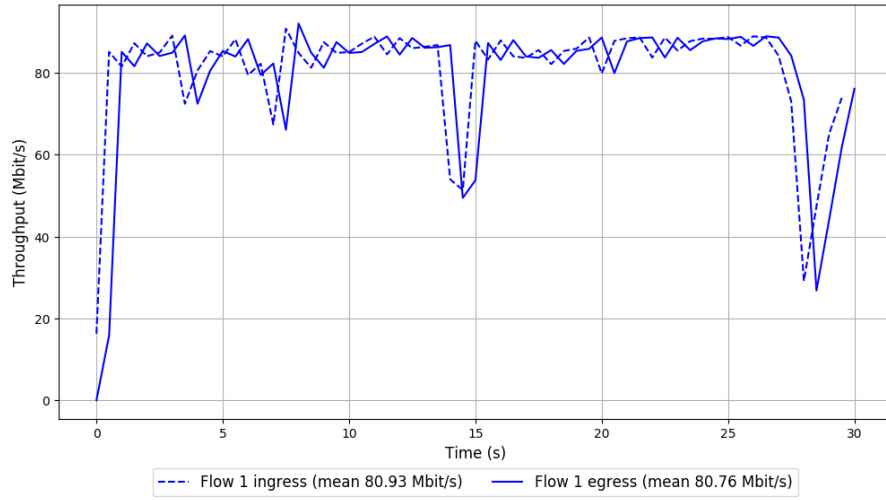


Run 3: Statistics of QUIC Cubic

Start at: 2020-02-17 22:27:22
End at: 2020-02-17 22:27:52
Local clock offset: -25.746 ms
Remote clock offset: 0.123 ms

Below is generated by plot.py at 2020-02-17 23:52:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.76 Mbit/s
95th percentile per-packet one-way delay: 3.583 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 80.76 Mbit/s
95th percentile per-packet one-way delay: 3.583 ms
Loss rate: 0.20%

Run 3: Report of QUIC Cubic — Data Link

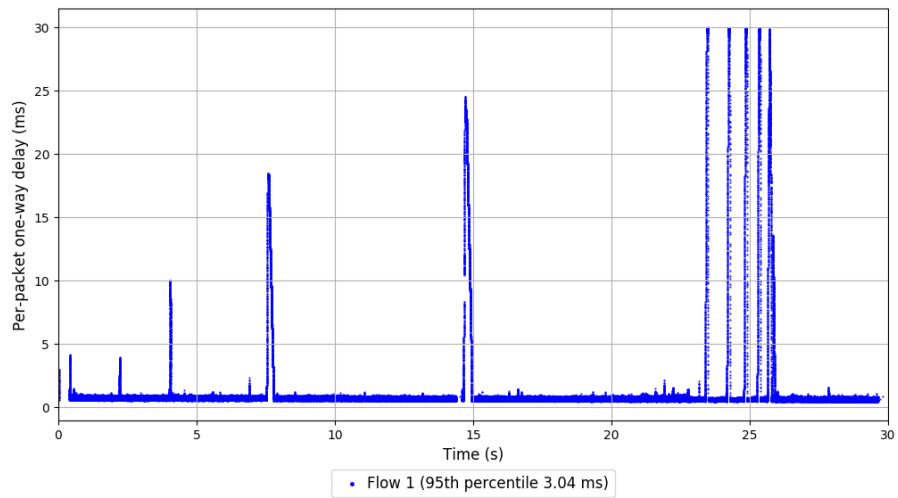
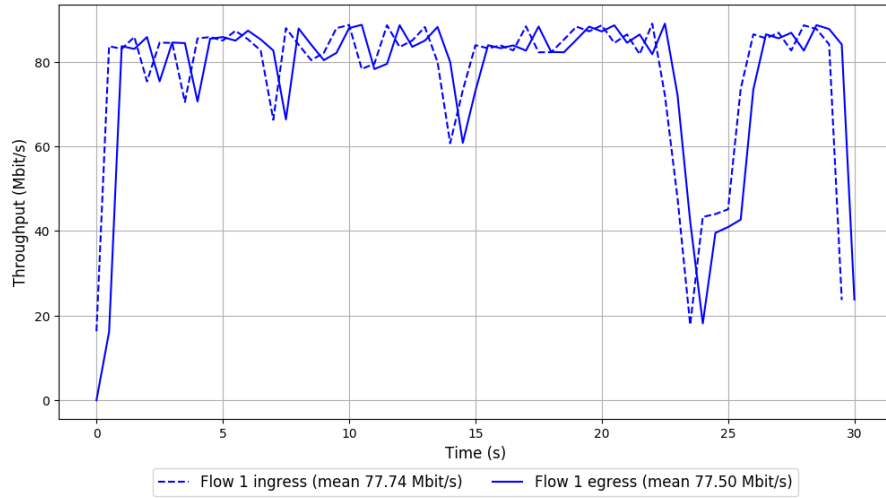


Run 4: Statistics of QUIC Cubic

Start at: 2020-02-17 22:54:01
End at: 2020-02-17 22:54:31
Local clock offset: -15.311 ms
Remote clock offset: 0.278 ms

Below is generated by plot.py at 2020-02-17 23:52:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.50 Mbit/s
95th percentile per-packet one-way delay: 3.036 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 77.50 Mbit/s
95th percentile per-packet one-way delay: 3.036 ms
Loss rate: 0.31%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2020-02-17 23:20:39

End at: 2020-02-17 23:21:09

Local clock offset: -10.163 ms

Remote clock offset: 0.45 ms

Below is generated by plot.py at 2020-02-17 23:52:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.54 Mbit/s

95th percentile per-packet one-way delay: 1.726 ms

Loss rate: 0.41%

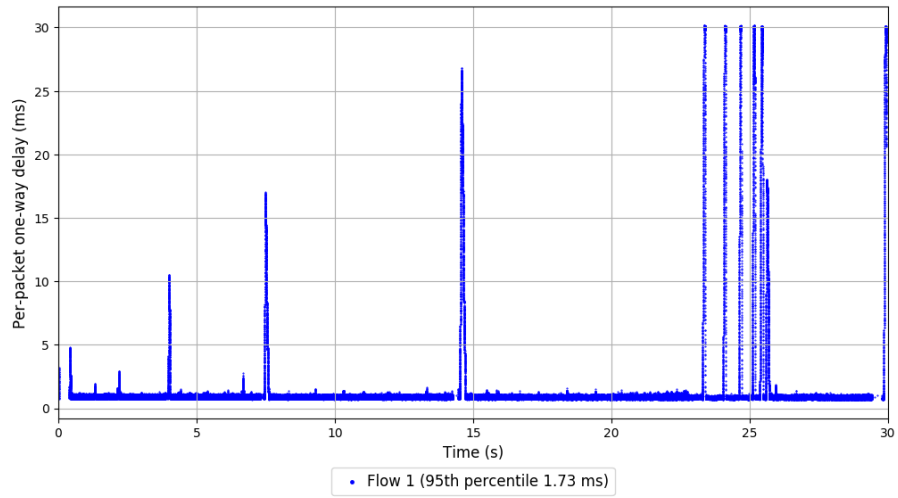
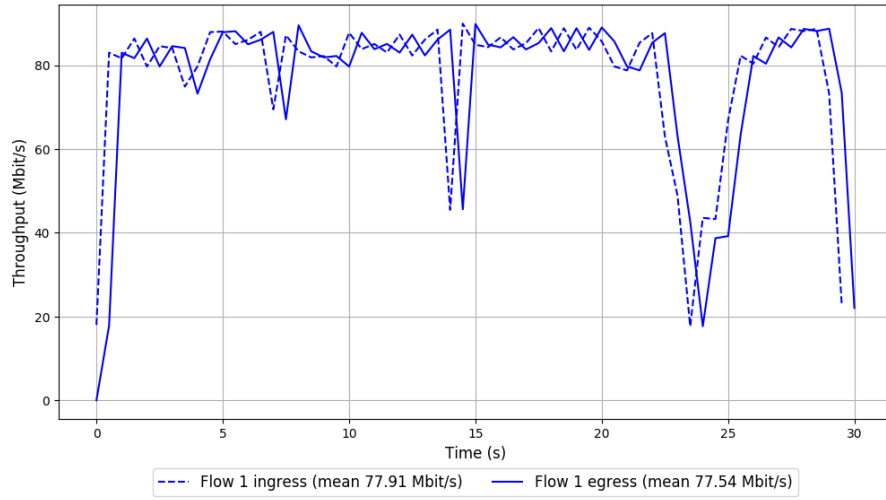
-- Flow 1:

Average throughput: 77.54 Mbit/s

95th percentile per-packet one-way delay: 1.726 ms

Loss rate: 0.41%

Run 5: Report of QUIC Cubic — Data Link

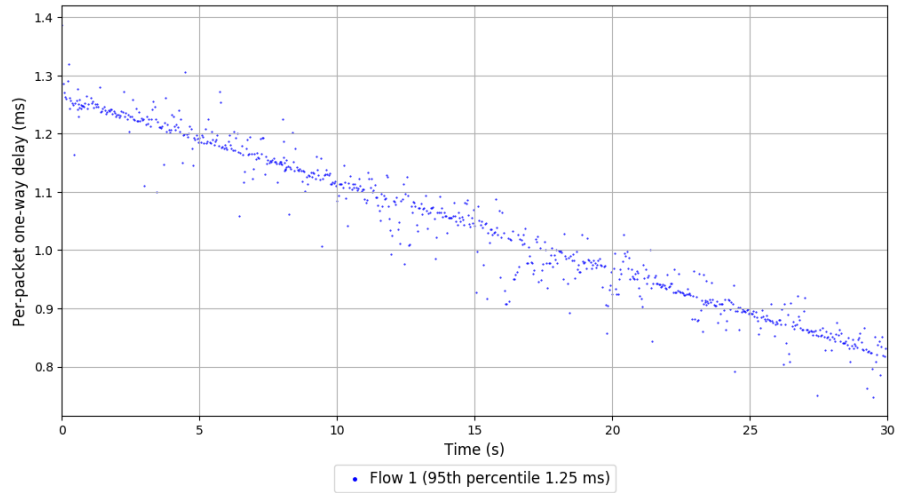
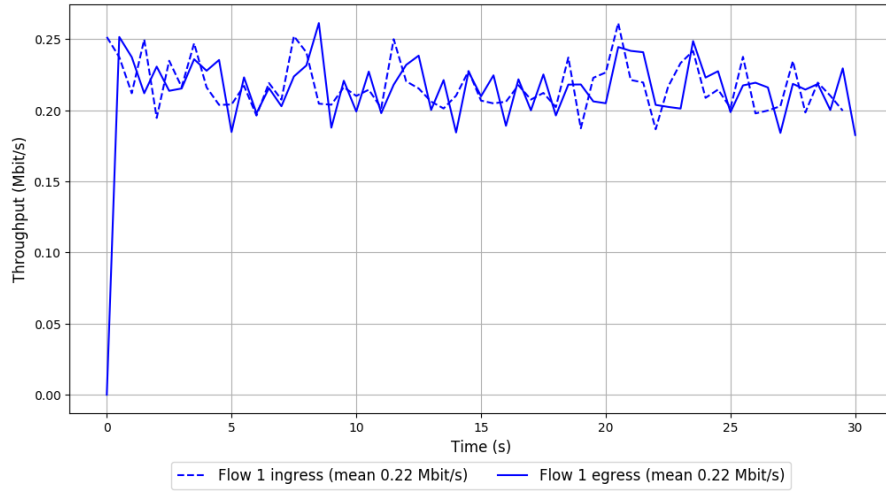


Run 1: Statistics of SCReAM

Start at: 2020-02-17 21:44:07
End at: 2020-02-17 21:44:37
Local clock offset: -11.177 ms
Remote clock offset: -0.309 ms

Below is generated by plot.py at 2020-02-17 23:52:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.13%

Run 1: Report of SCReAM — Data Link

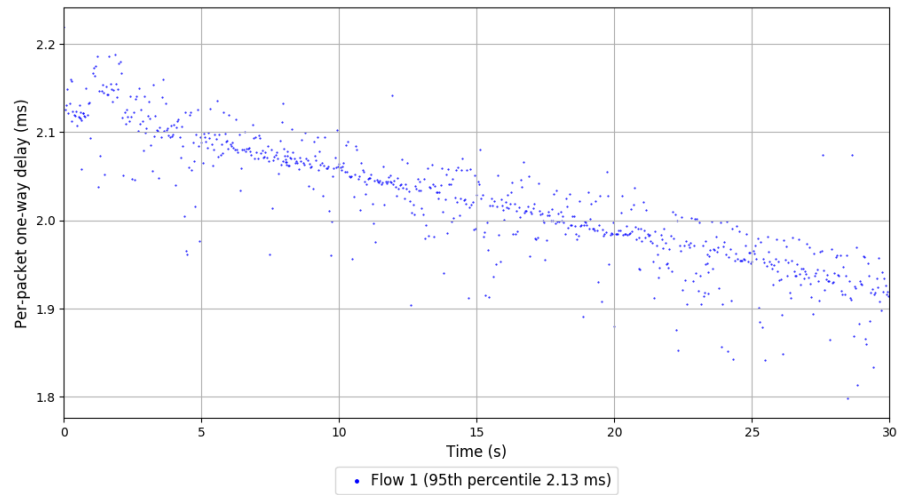
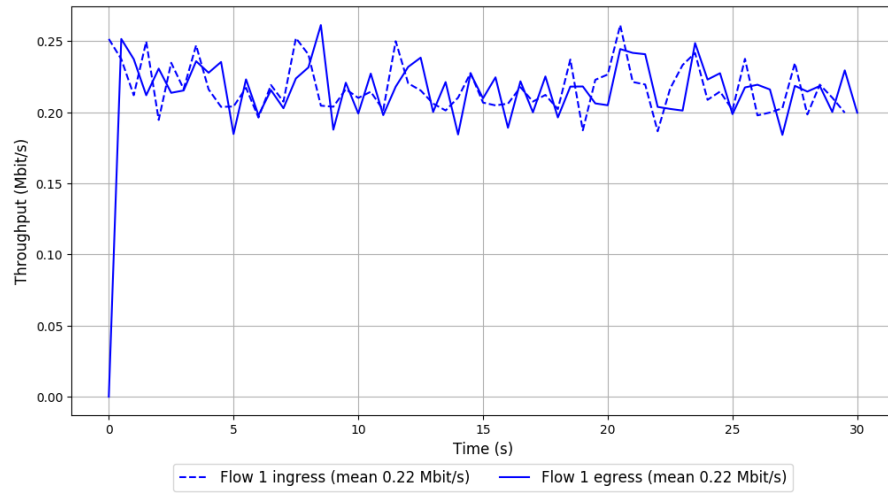


Run 2: Statistics of SCReAM

Start at: 2020-02-17 22:10:45
End at: 2020-02-17 22:11:15
Local clock offset: -16.831 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2020-02-17 23:52:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.134 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.134 ms
Loss rate: 0.00%

Run 2: Report of SCReAM — Data Link

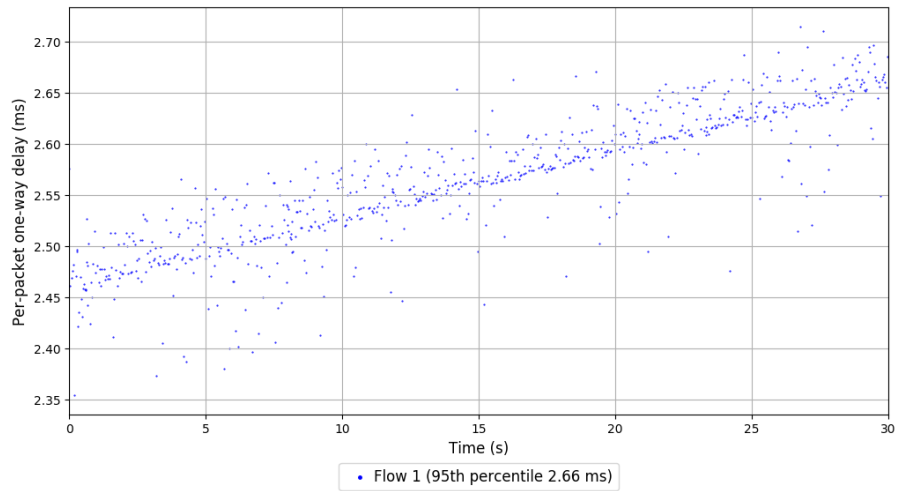
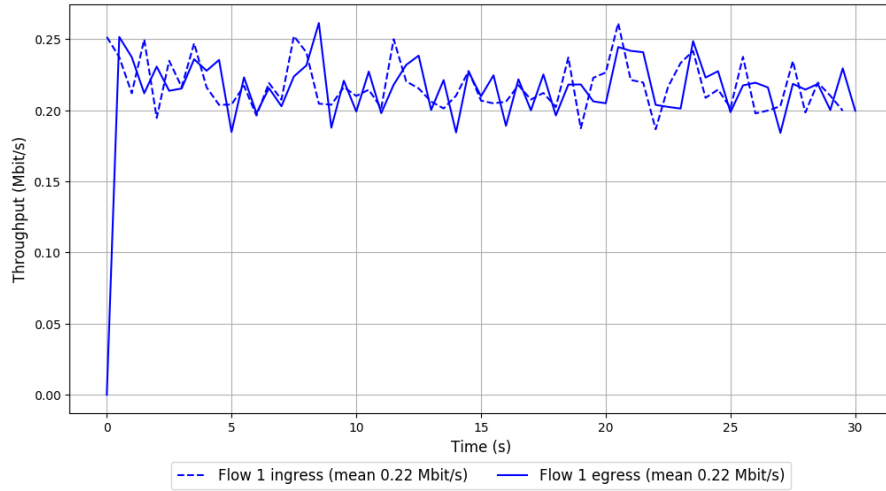


Run 3: Statistics of SCReAM

Start at: 2020-02-17 22:37:25
End at: 2020-02-17 22:37:55
Local clock offset: -15.453 ms
Remote clock offset: 0.159 ms

Below is generated by plot.py at 2020-02-17 23:52:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.662 ms
Loss rate: 0.00%

Run 3: Report of SCReAM — Data Link

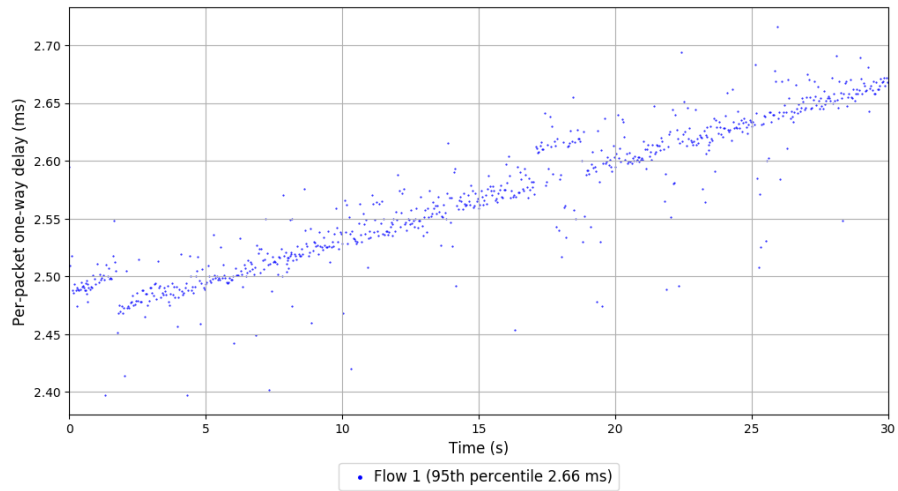
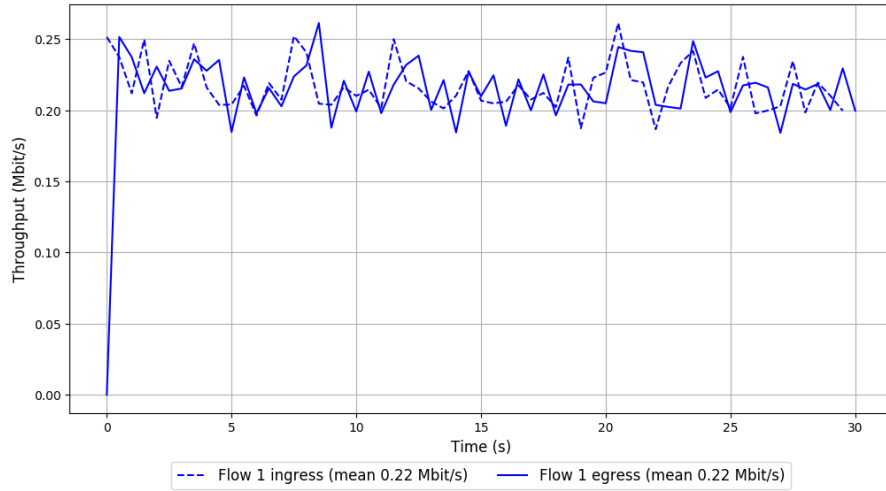


Run 4: Statistics of SCReAM

Start at: 2020-02-17 23:04:03
End at: 2020-02-17 23:04:33
Local clock offset: -11.775 ms
Remote clock offset: 0.312 ms

Below is generated by plot.py at 2020-02-17 23:52:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.662 ms
Loss rate: 0.00%

Run 4: Report of SCReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2020-02-17 23:30:41

End at: 2020-02-17 23:31:11

Local clock offset: -9.02 ms

Remote clock offset: 0.41 ms

Below is generated by plot.py at 2020-02-17 23:52:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.937 ms

Loss rate: 0.00%

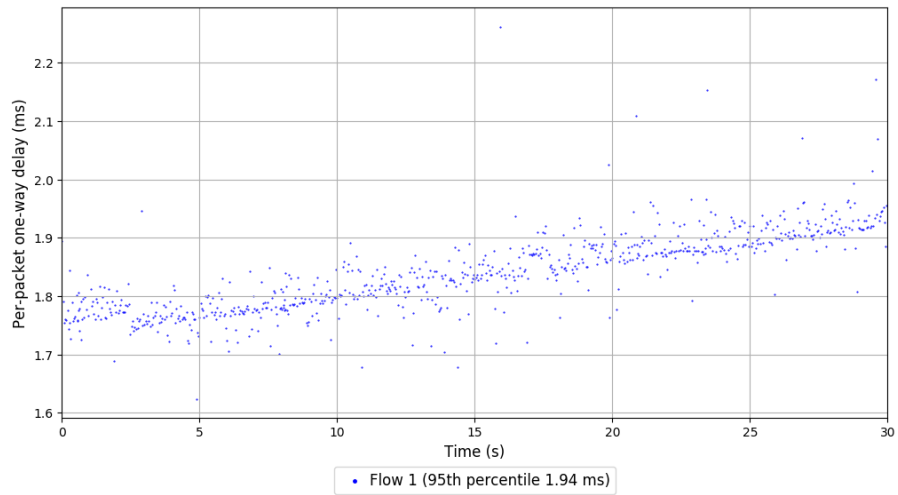
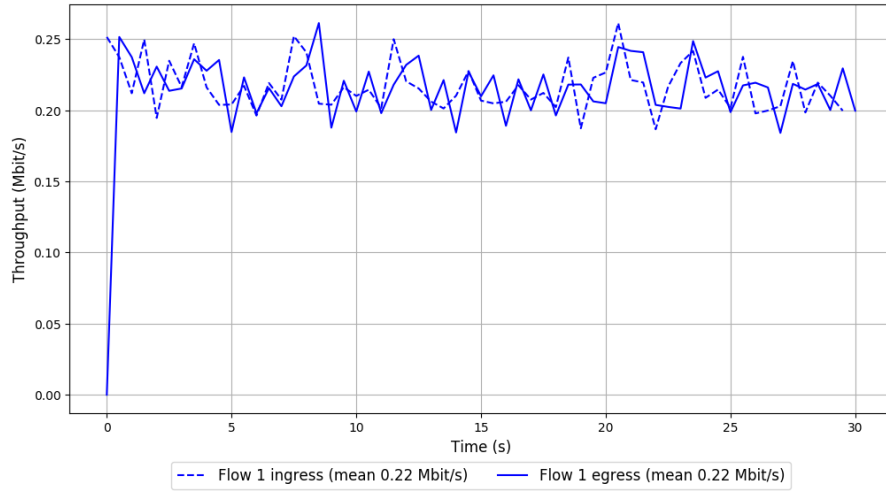
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.937 ms

Loss rate: 0.00%

Run 5: Report of SCReAM — Data Link

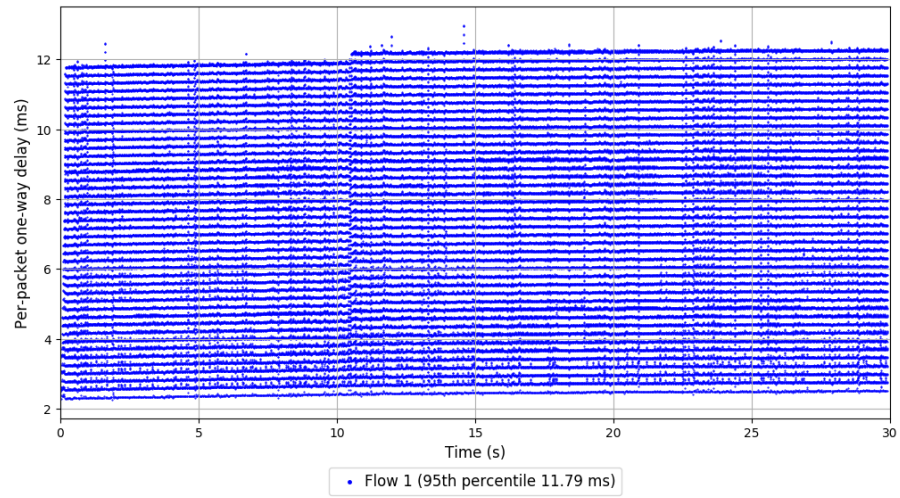
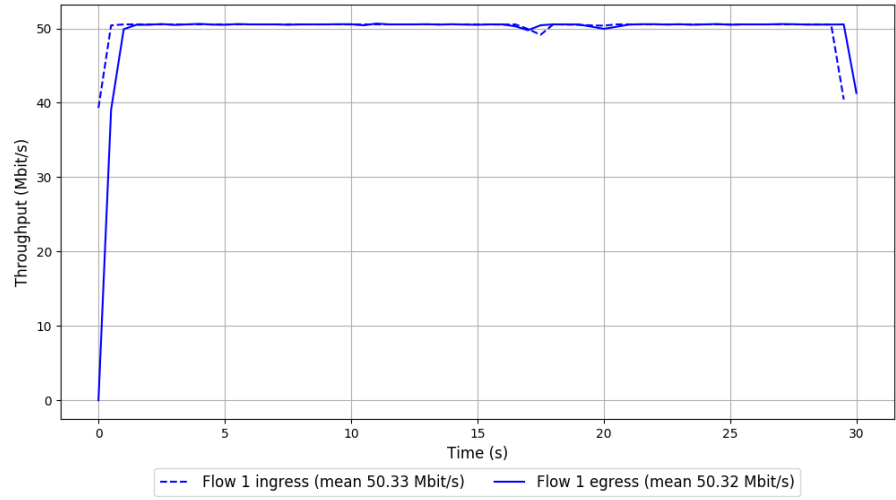


Run 1: Statistics of Sprout

Start at: 2020-02-17 21:32:59
End at: 2020-02-17 21:33:29
Local clock offset: -9.262 ms
Remote clock offset: -0.449 ms

Below is generated by plot.py at 2020-02-17 23:52:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 11.786 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 11.786 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

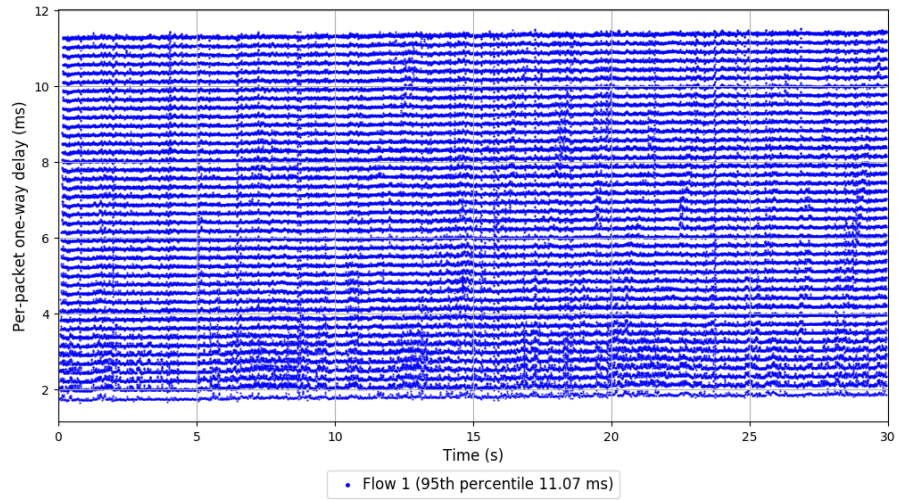
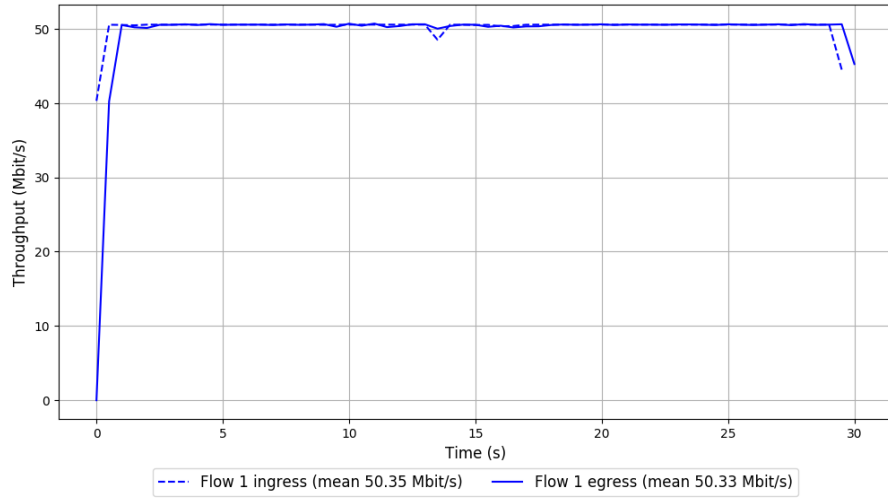


Run 2: Statistics of Sprout

Start at: 2020-02-17 21:59:37
End at: 2020-02-17 22:00:07
Local clock offset: -15.288 ms
Remote clock offset: -0.212 ms

Below is generated by plot.py at 2020-02-17 23:52:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.33 Mbit/s
95th percentile per-packet one-way delay: 11.074 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.33 Mbit/s
95th percentile per-packet one-way delay: 11.074 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

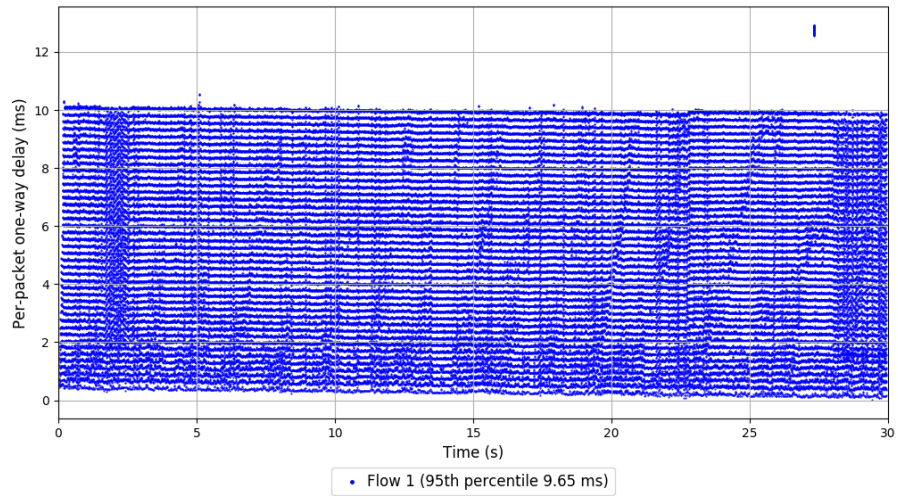
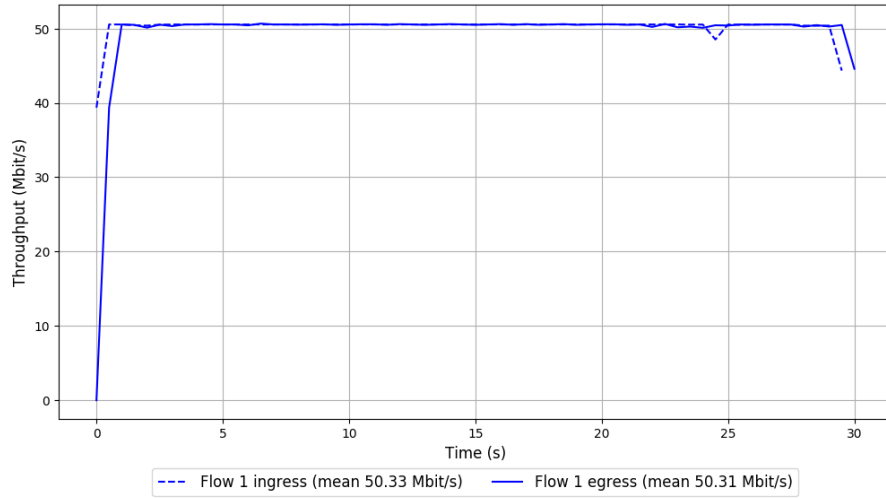


Run 3: Statistics of Sprout

Start at: 2020-02-17 22:26:17
End at: 2020-02-17 22:26:47
Local clock offset: -25.063 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2020-02-17 23:52:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 9.646 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 9.646 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2020-02-17 22:52:55
End at: 2020-02-17 22:53:25
Local clock offset: -14.392 ms
Remote clock offset: 0.328 ms

Below is generated by plot.py at 2020-02-17 23:53:08

Datalink statistics

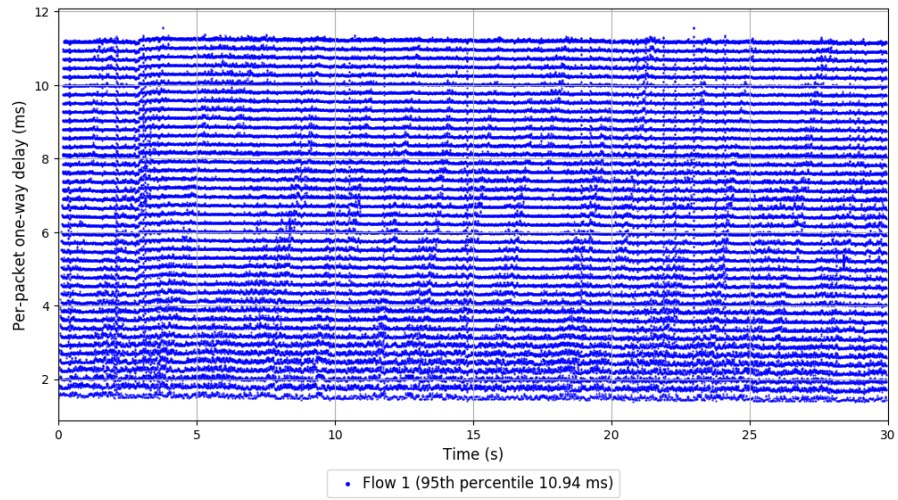
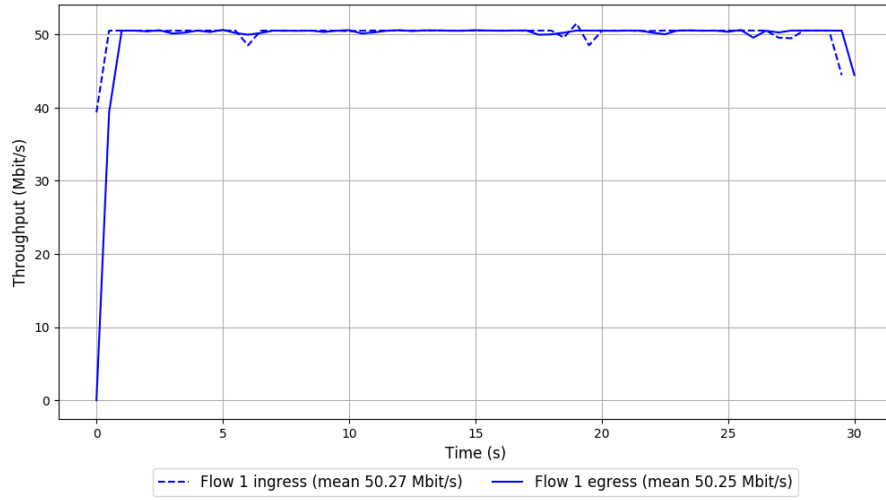
-- Total of 1 flow:

Average throughput: 50.25 Mbit/s
95th percentile per-packet one-way delay: 10.938 ms
Loss rate: 0.00%

-- Flow 1:

Average throughput: 50.25 Mbit/s
95th percentile per-packet one-way delay: 10.938 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2020-02-17 23:19:33

End at: 2020-02-17 23:20:03

Local clock offset: -9.387 ms

Remote clock offset: 0.393 ms

Below is generated by plot.py at 2020-02-17 23:53:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.28 Mbit/s

95th percentile per-packet one-way delay: 9.545 ms

Loss rate: 0.00%

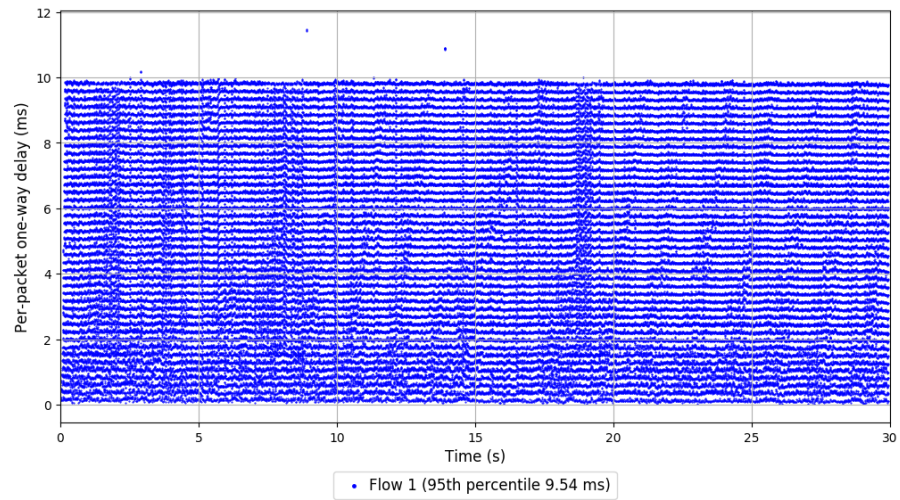
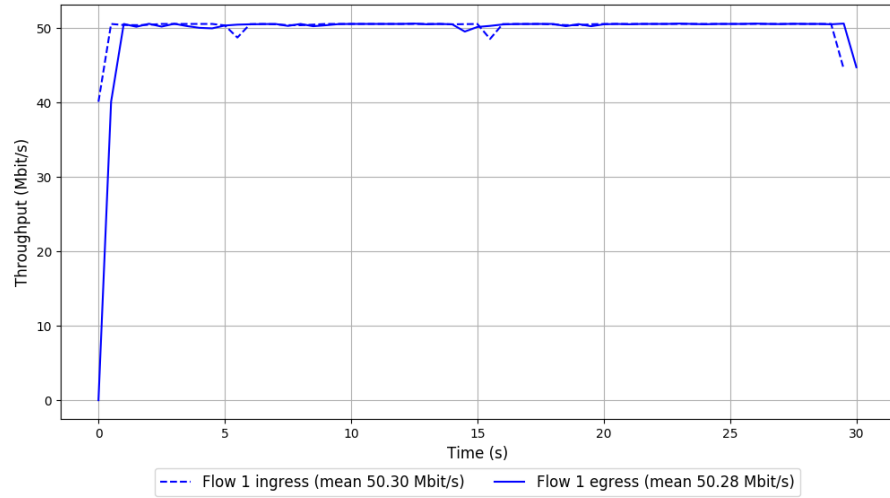
-- Flow 1:

Average throughput: 50.28 Mbit/s

95th percentile per-packet one-way delay: 9.545 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

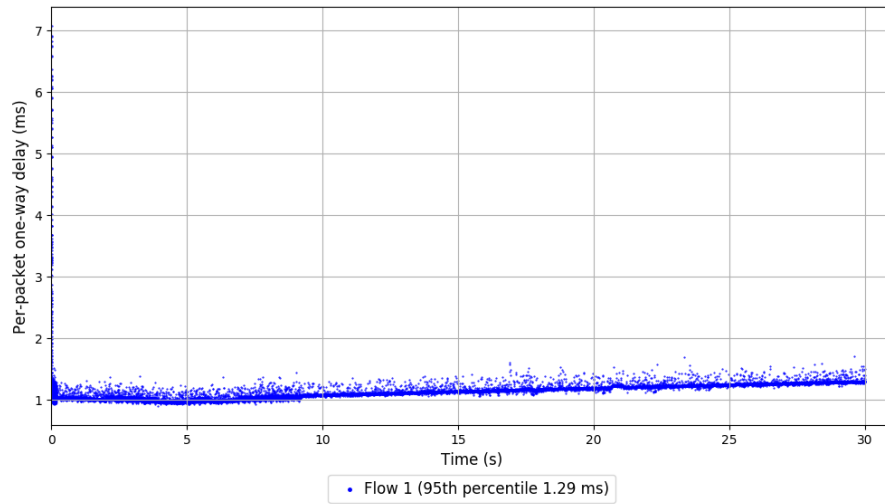
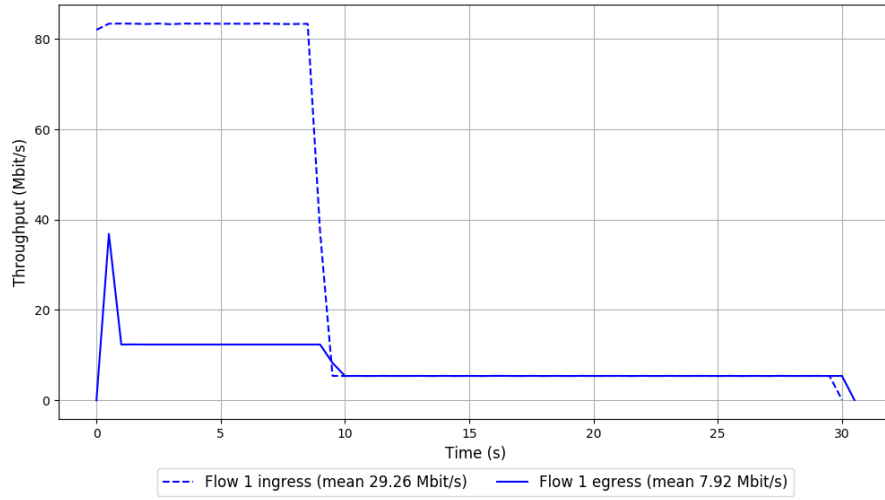


Run 1: Statistics of TaoVA-100x

Start at: 2020-02-17 21:45:11
End at: 2020-02-17 21:45:41
Local clock offset: -12.017 ms
Remote clock offset: -0.381 ms

Below is generated by plot.py at 2020-02-17 23:53:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.92 Mbit/s
95th percentile per-packet one-way delay: 1.287 ms
Loss rate: 72.94%
-- Flow 1:
Average throughput: 7.92 Mbit/s
95th percentile per-packet one-way delay: 1.287 ms
Loss rate: 72.94%

Run 1: Report of TaoVA-100x — Data Link

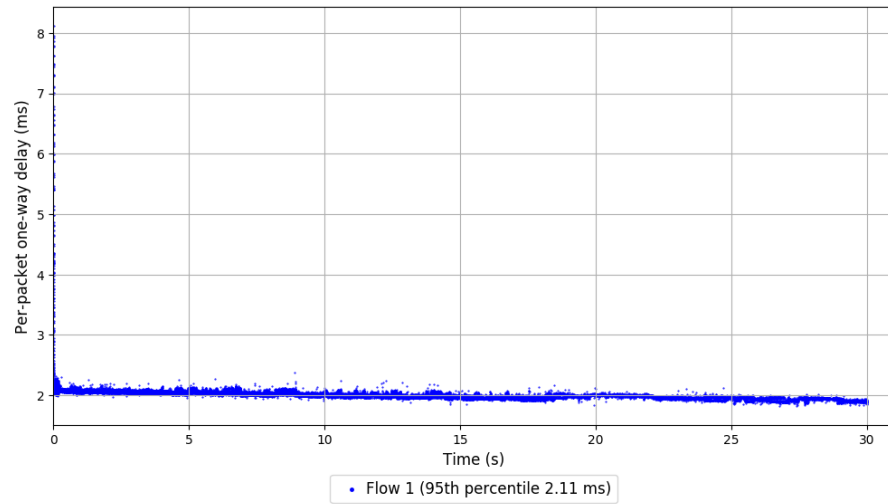
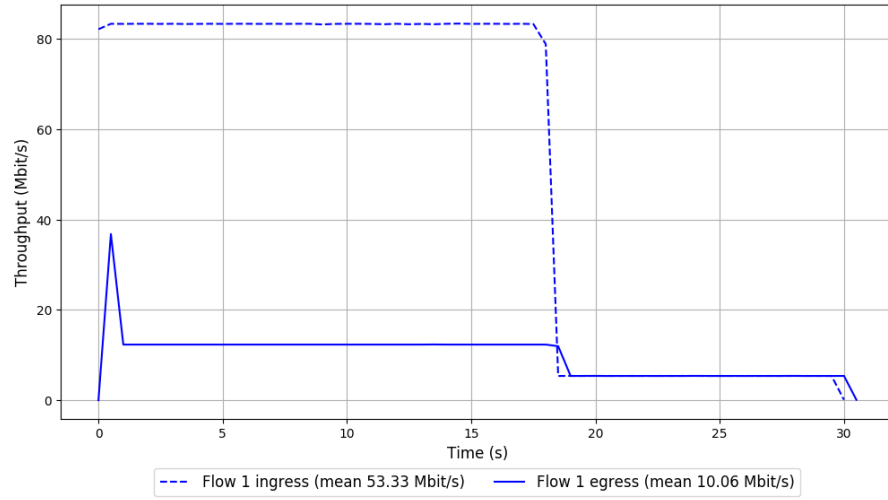


Run 2: Statistics of TaoVA-100x

Start at: 2020-02-17 22:11:49
End at: 2020-02-17 22:12:19
Local clock offset: -17.259 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2020-02-17 23:53:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.06 Mbit/s
95th percentile per-packet one-way delay: 2.106 ms
Loss rate: 81.13%
-- Flow 1:
Average throughput: 10.06 Mbit/s
95th percentile per-packet one-way delay: 2.106 ms
Loss rate: 81.13%

Run 2: Report of TaoVA-100x — Data Link



Run 3: Statistics of TaoVA-100x

Start at: 2020-02-17 22:38:29

End at: 2020-02-17 22:38:59

Local clock offset: -15.08 ms

Remote clock offset: 0.158 ms

Below is generated by plot.py at 2020-02-17 23:53:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.11 Mbit/s

95th percentile per-packet one-way delay: 1.206 ms

Loss rate: 81.06%

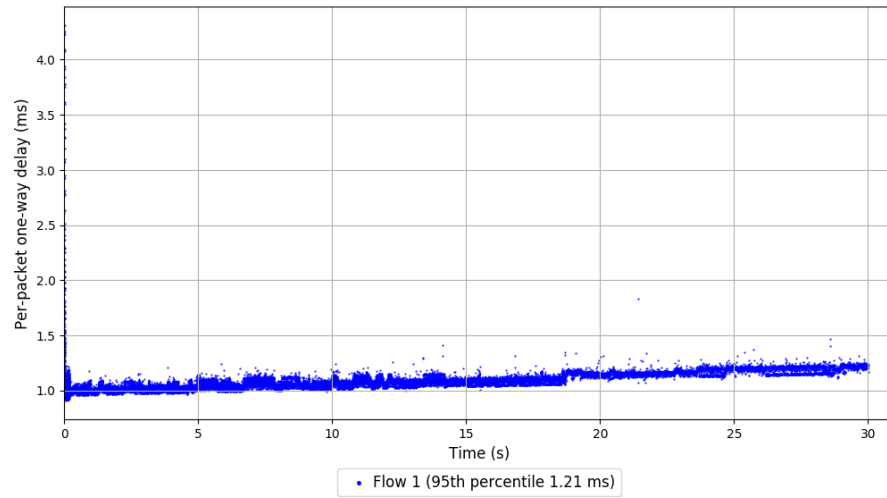
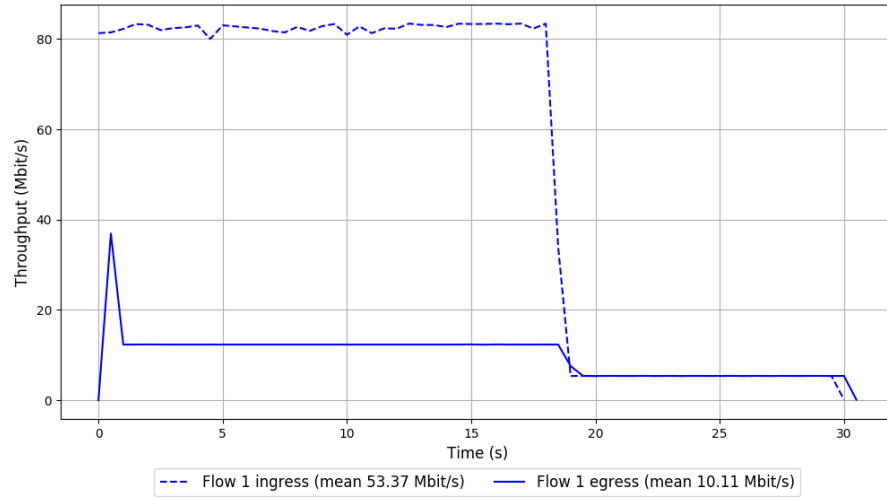
-- Flow 1:

Average throughput: 10.11 Mbit/s

95th percentile per-packet one-way delay: 1.206 ms

Loss rate: 81.06%

Run 3: Report of TaoVA-100x — Data Link



Run 4: Statistics of TaoVA-100x

Start at: 2020-02-17 23:05:07

End at: 2020-02-17 23:05:37

Local clock offset: -10.618 ms

Remote clock offset: 0.275 ms

Below is generated by plot.py at 2020-02-17 23:53:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.09 Mbit/s

95th percentile per-packet one-way delay: 0.421 ms

Loss rate: 81.09%

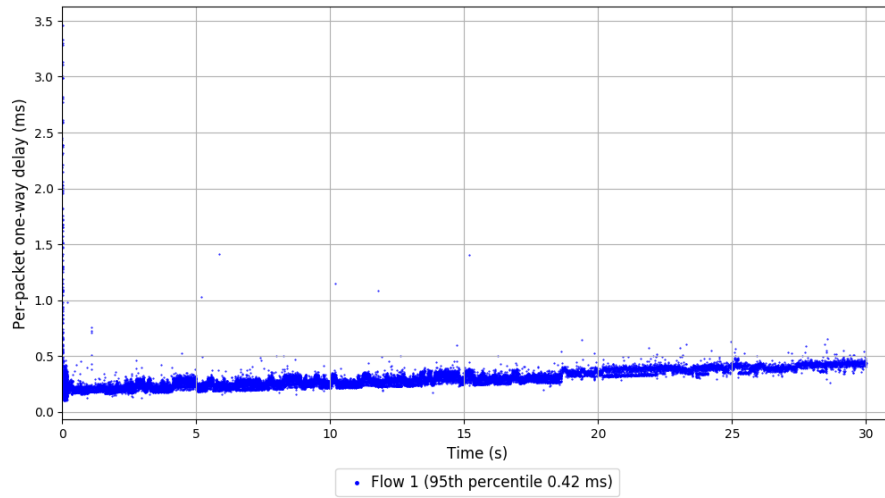
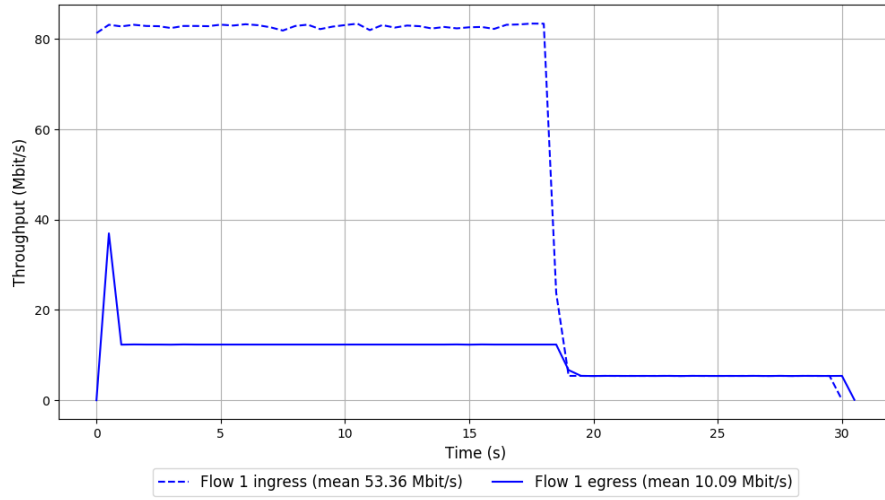
-- Flow 1:

Average throughput: 10.09 Mbit/s

95th percentile per-packet one-way delay: 0.421 ms

Loss rate: 81.09%

Run 4: Report of TaoVA-100x — Data Link



Run 5: Statistics of TaoVA-100x

Start at: 2020-02-17 23:31:45

End at: 2020-02-17 23:32:15

Local clock offset: -8.608 ms

Remote clock offset: 0.53 ms

Below is generated by plot.py at 2020-02-17 23:53:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.21 Mbit/s

95th percentile per-packet one-way delay: 0.552 ms

Loss rate: 78.35%

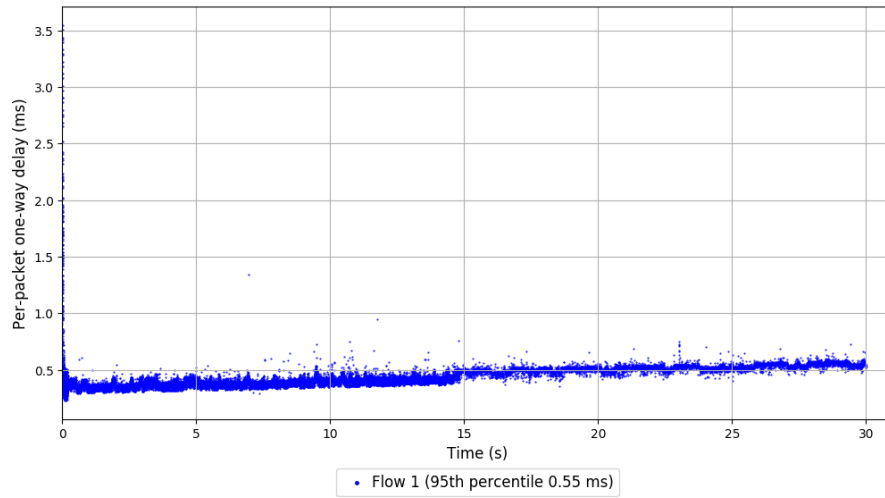
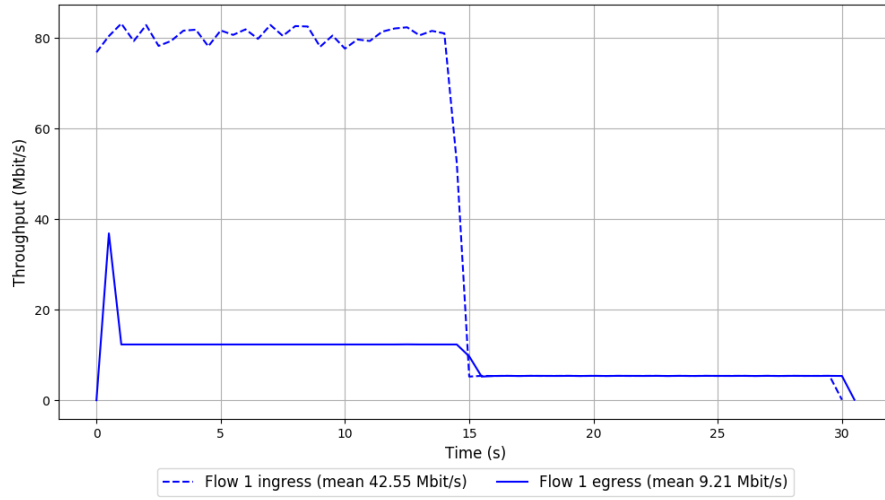
-- Flow 1:

Average throughput: 9.21 Mbit/s

95th percentile per-packet one-way delay: 0.552 ms

Loss rate: 78.35%

Run 5: Report of TaoVA-100x — Data Link



Run 1: Statistics of TCP Vegas

Start at: 2020-02-17 21:52:55
End at: 2020-02-17 21:53:25
Local clock offset: -13.627 ms
Remote clock offset: -0.304 ms

Below is generated by plot.py at 2020-02-17 23:54:00

Datalink statistics

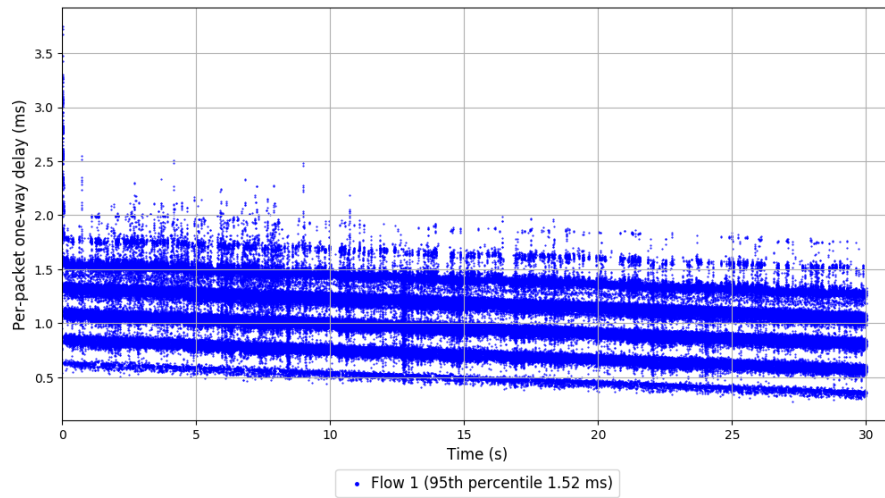
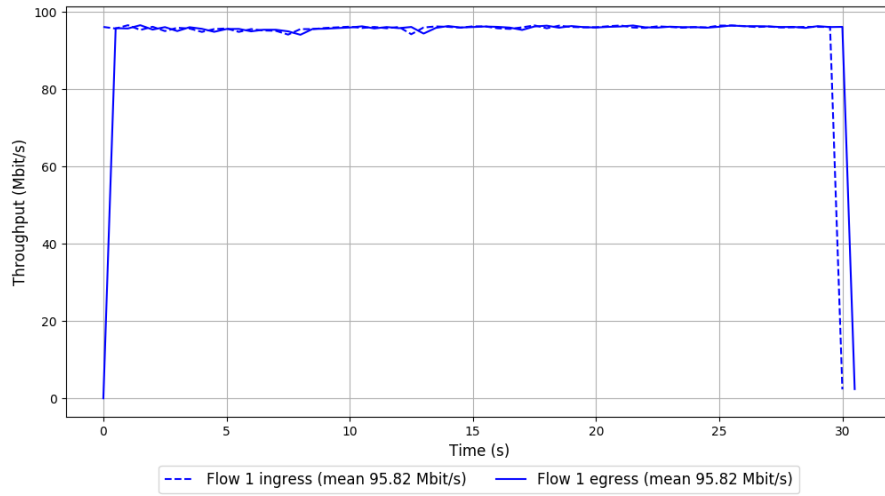
-- Total of 1 flow:

Average throughput: 95.82 Mbit/s
95th percentile per-packet one-way delay: 1.519 ms
Loss rate: 0.00%

-- Flow 1:

Average throughput: 95.82 Mbit/s
95th percentile per-packet one-way delay: 1.519 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2020-02-17 22:19:35
End at: 2020-02-17 22:20:05
Local clock offset: -20.362 ms
Remote clock offset: 0.009 ms

Below is generated by plot.py at 2020-02-17 23:54:04

Datalink statistics

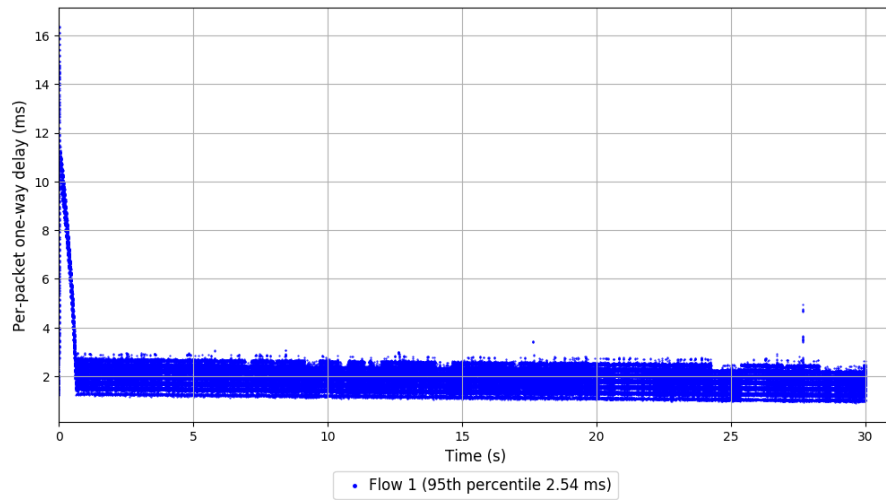
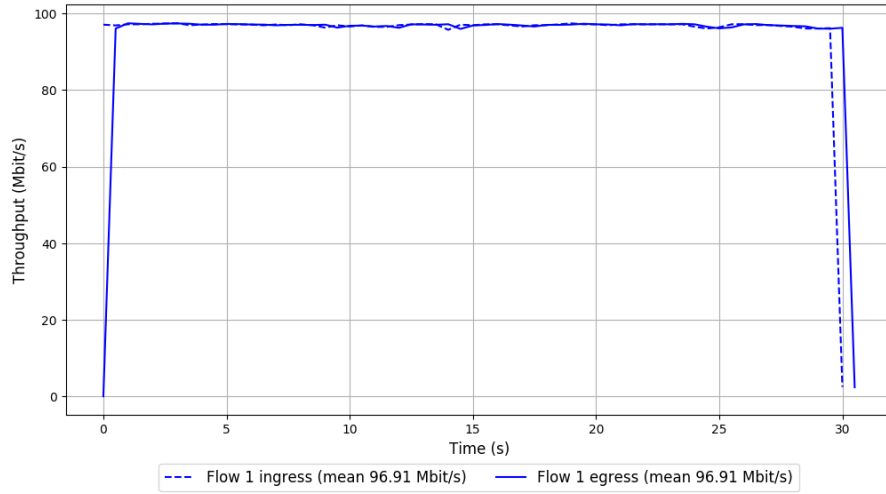
-- Total of 1 flow:

Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 2.540 ms
Loss rate: 0.01%

-- Flow 1:

Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 2.540 ms
Loss rate: 0.01%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2020-02-17 22:46:15
End at: 2020-02-17 22:46:45
Local clock offset: -13.359 ms
Remote clock offset: 0.182 ms

Below is generated by plot.py at 2020-02-17 23:54:08

Datalink statistics

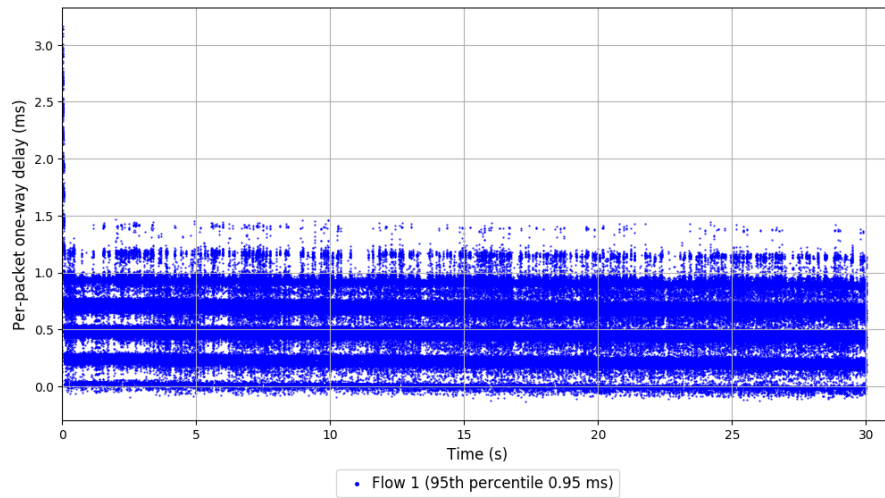
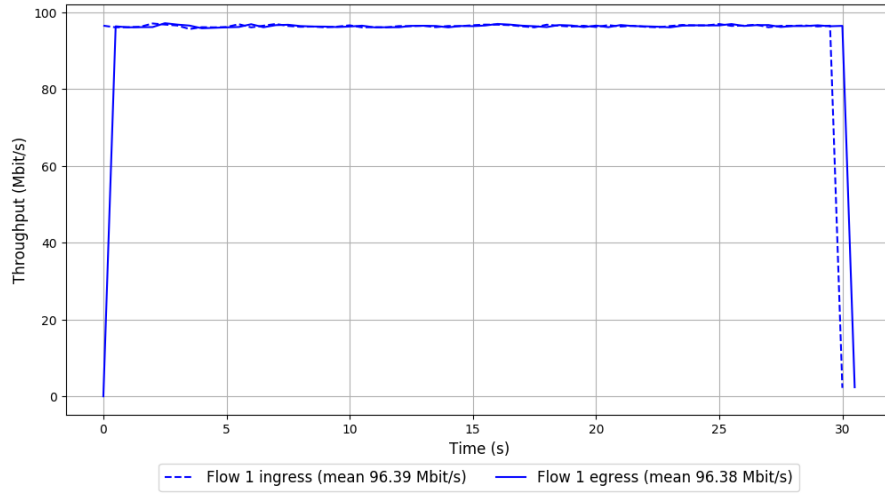
-- Total of 1 flow:

Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 0.950 ms
Loss rate: 0.00%

-- Flow 1:

Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 0.950 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2020-02-17 23:12:53

End at: 2020-02-17 23:13:23

Local clock offset: -9.936 ms

Remote clock offset: 0.349 ms

Below is generated by plot.py at 2020-02-17 23:54:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.88 Mbit/s

95th percentile per-packet one-way delay: 3.761 ms

Loss rate: 0.00%

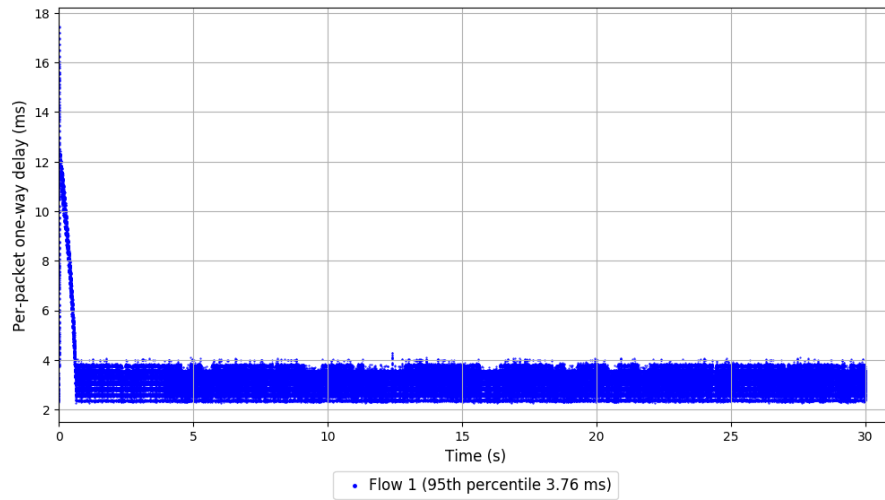
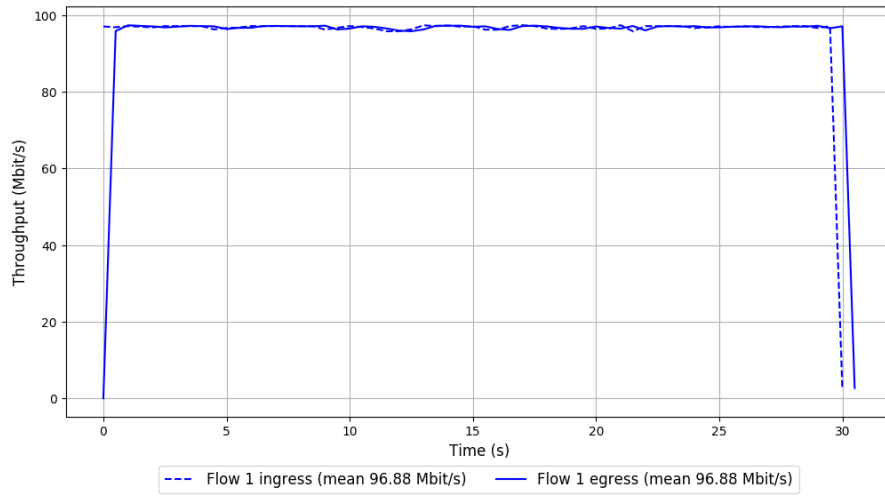
-- Flow 1:

Average throughput: 96.88 Mbit/s

95th percentile per-packet one-way delay: 3.761 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2020-02-17 23:39:32

End at: 2020-02-17 23:40:02

Local clock offset: -7.019 ms

Remote clock offset: 0.43 ms

Below is generated by plot.py at 2020-02-17 23:54:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.07 Mbit/s

95th percentile per-packet one-way delay: 3.016 ms

Loss rate: 0.00%

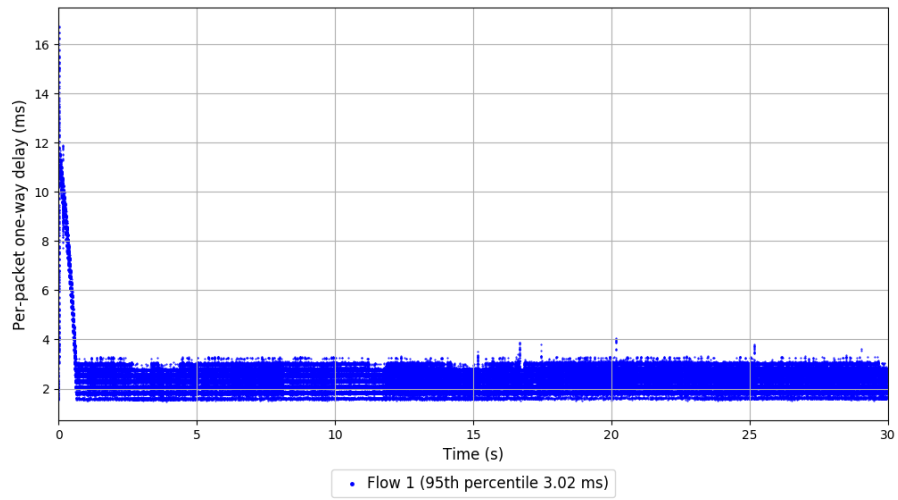
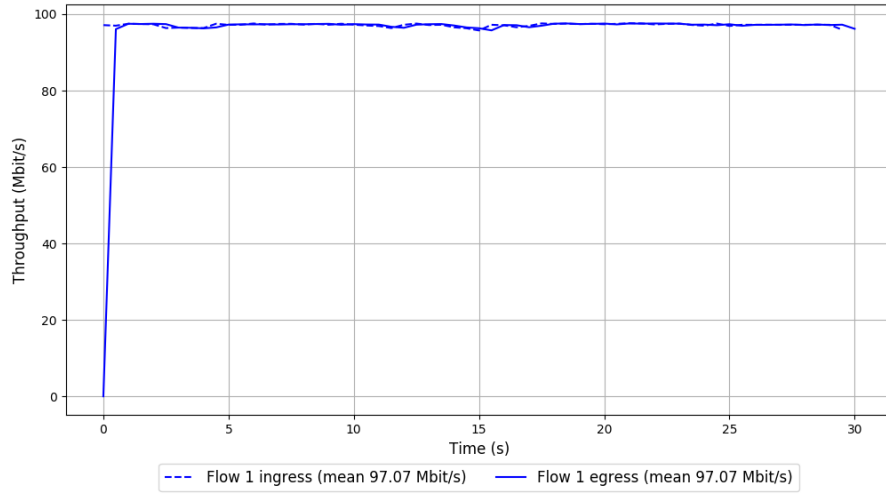
-- Flow 1:

Average throughput: 97.07 Mbit/s

95th percentile per-packet one-way delay: 3.016 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

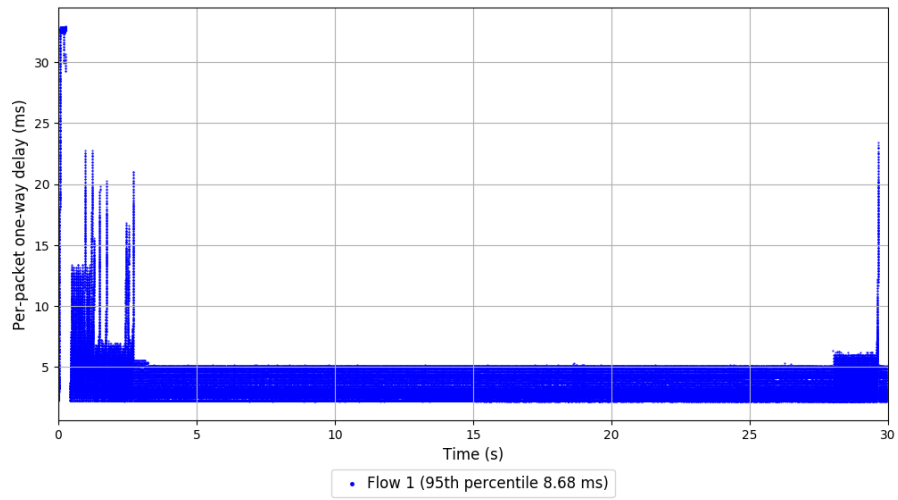
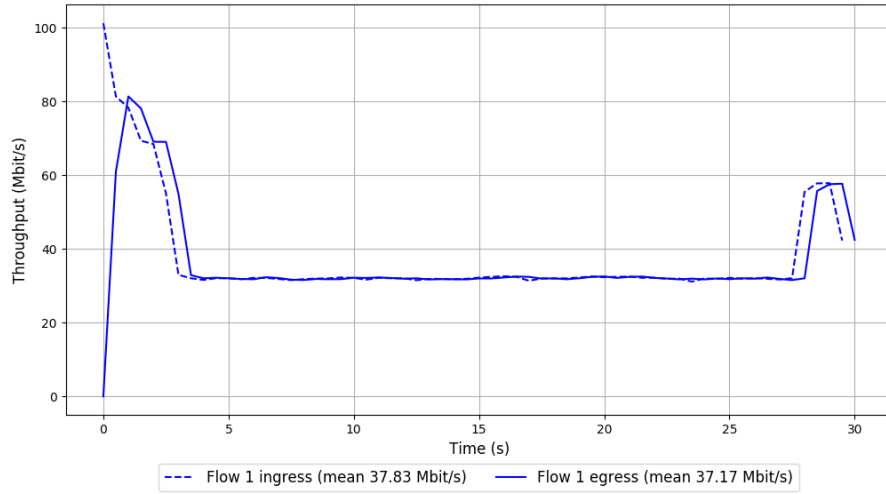


Run 1: Statistics of Verus

Start at: 2020-02-17 21:48:26
End at: 2020-02-17 21:48:56
Local clock offset: -12.32 ms
Remote clock offset: -0.306 ms

Below is generated by plot.py at 2020-02-17 23:54:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.17 Mbit/s
95th percentile per-packet one-way delay: 8.683 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 37.17 Mbit/s
95th percentile per-packet one-way delay: 8.683 ms
Loss rate: 1.76%

Run 1: Report of Verus — Data Link

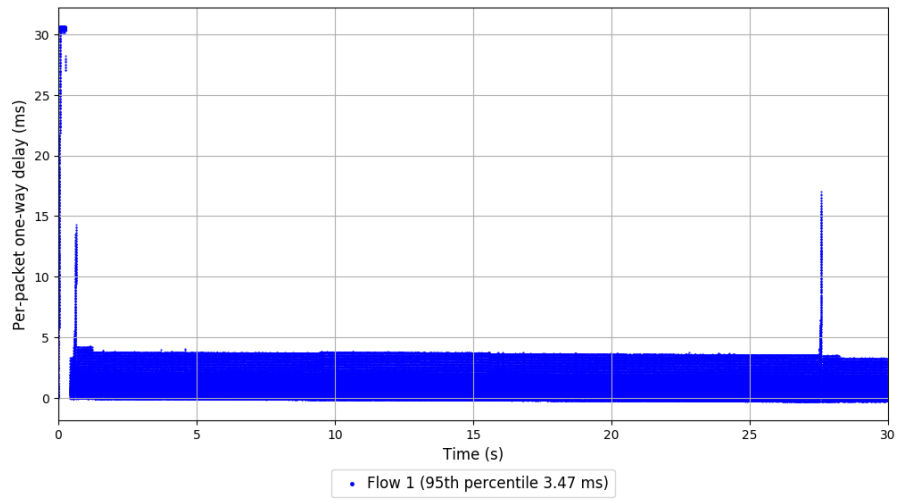
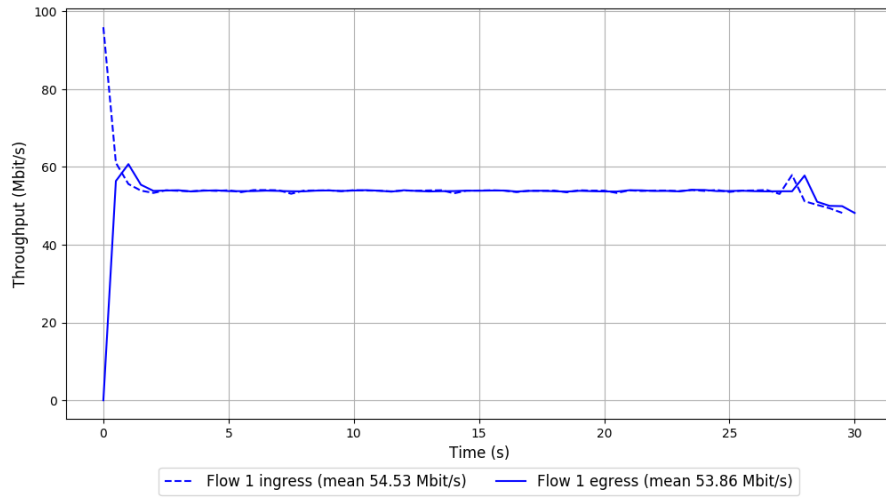


Run 2: Statistics of Verus

Start at: 2020-02-17 22:15:05
End at: 2020-02-17 22:15:35
Local clock offset: -18.116 ms
Remote clock offset: 0.039 ms

Below is generated by plot.py at 2020-02-17 23:54:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.86 Mbit/s
95th percentile per-packet one-way delay: 3.474 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 53.86 Mbit/s
95th percentile per-packet one-way delay: 3.474 ms
Loss rate: 1.21%

Run 2: Report of Verus — Data Link

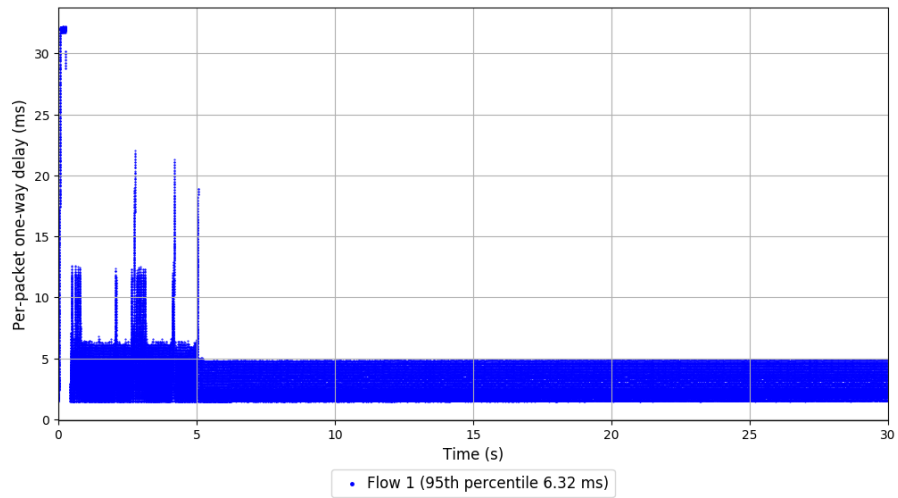
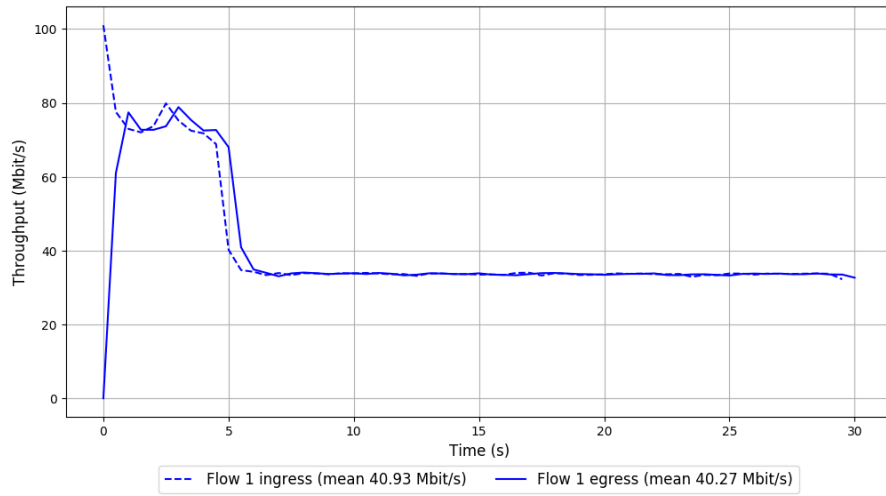


Run 3: Statistics of Verus

Start at: 2020-02-17 22:41:46
End at: 2020-02-17 22:42:16
Local clock offset: -13.496 ms
Remote clock offset: 0.152 ms

```
# Below is generated by plot.py at 2020-02-17 23:54:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.27 Mbit/s
95th percentile per-packet one-way delay: 6.322 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 40.27 Mbit/s
95th percentile per-packet one-way delay: 6.322 ms
Loss rate: 1.62%
```

Run 3: Report of Verus — Data Link

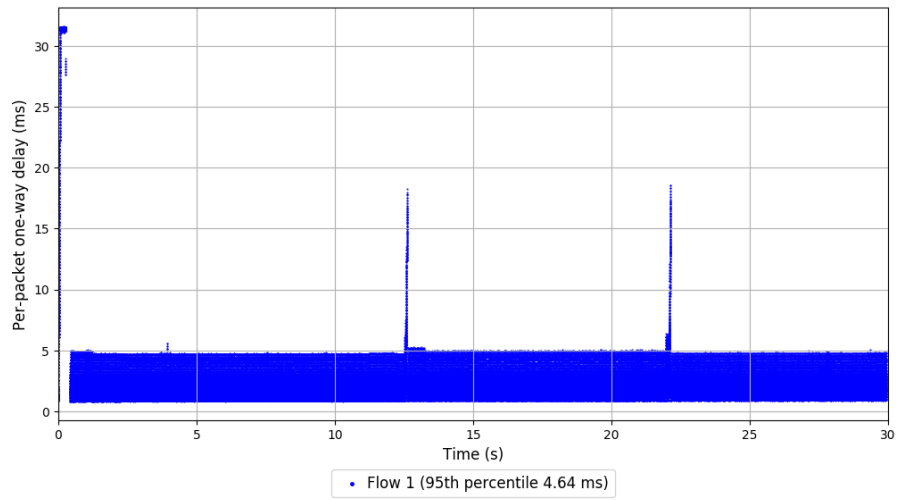
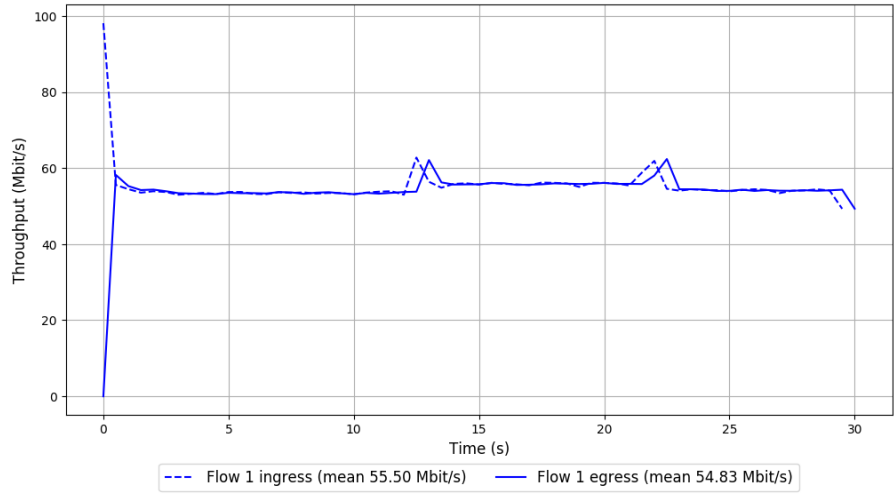


Run 4: Statistics of Verus

Start at: 2020-02-17 23:08:23
End at: 2020-02-17 23:08:53
Local clock offset: -10.429 ms
Remote clock offset: 0.346 ms

```
# Below is generated by plot.py at 2020-02-17 23:54:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.83 Mbit/s
95th percentile per-packet one-way delay: 4.639 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 54.83 Mbit/s
95th percentile per-packet one-way delay: 4.639 ms
Loss rate: 1.19%
```

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2020-02-17 23:35:02

End at: 2020-02-17 23:35:32

Local clock offset: -8.4 ms

Remote clock offset: 0.399 ms

Below is generated by plot.py at 2020-02-17 23:54:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.55 Mbit/s

95th percentile per-packet one-way delay: 6.539 ms

Loss rate: 1.47%

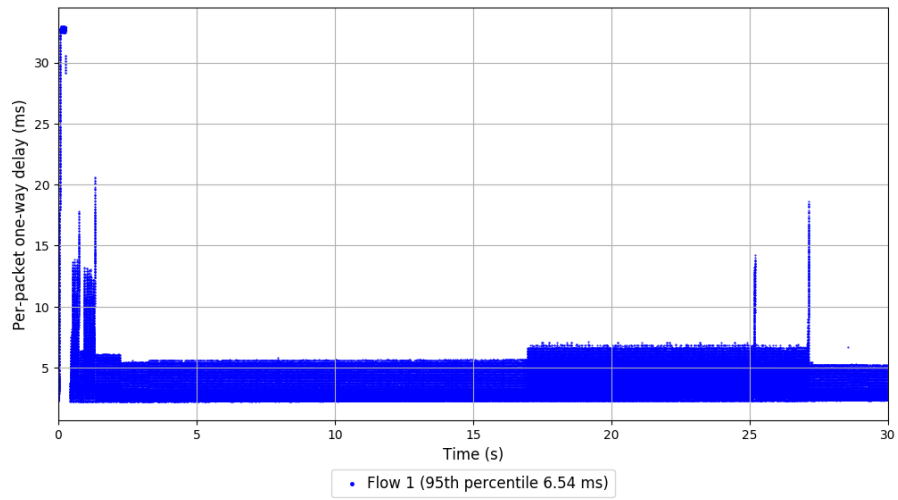
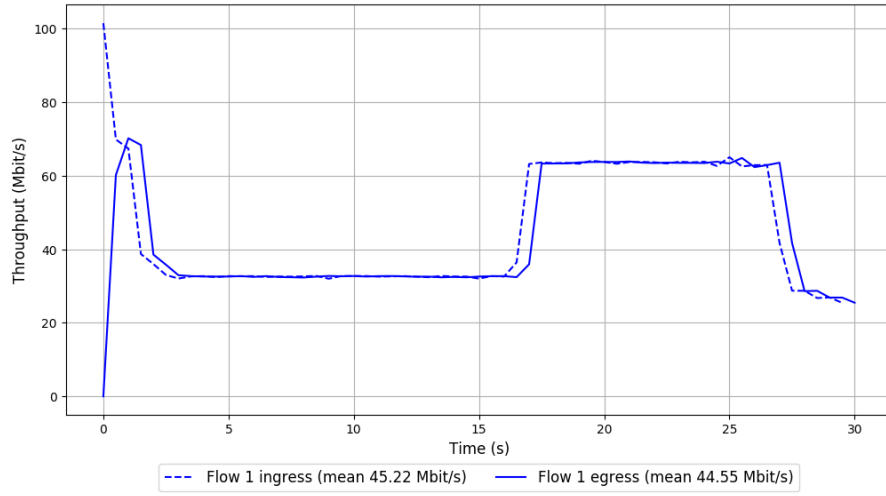
-- Flow 1:

Average throughput: 44.55 Mbit/s

95th percentile per-packet one-way delay: 6.539 ms

Loss rate: 1.47%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2020-02-17 21:30:44

End at: 2020-02-17 21:31:14

Local clock offset: -8.899 ms

Remote clock offset: -0.49 ms

Below is generated by plot.py at 2020-02-17 23:54:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.96 Mbit/s

95th percentile per-packet one-way delay: 1.742 ms

Loss rate: 0.00%

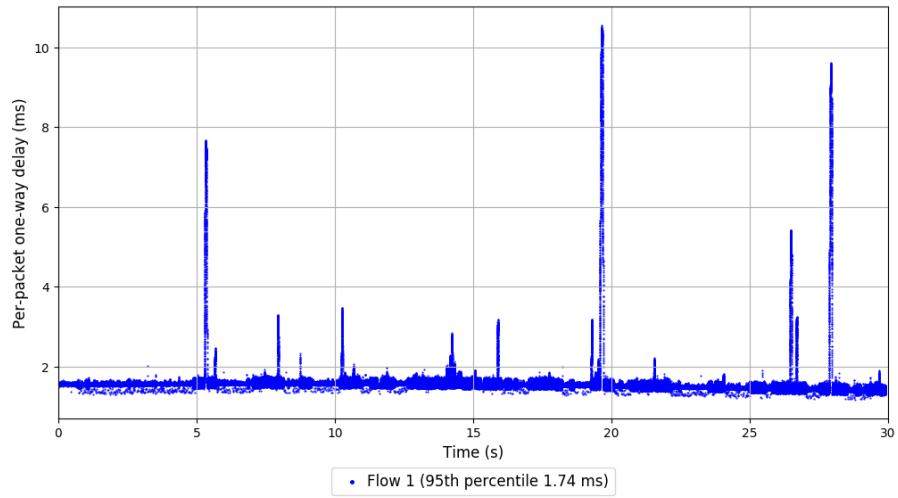
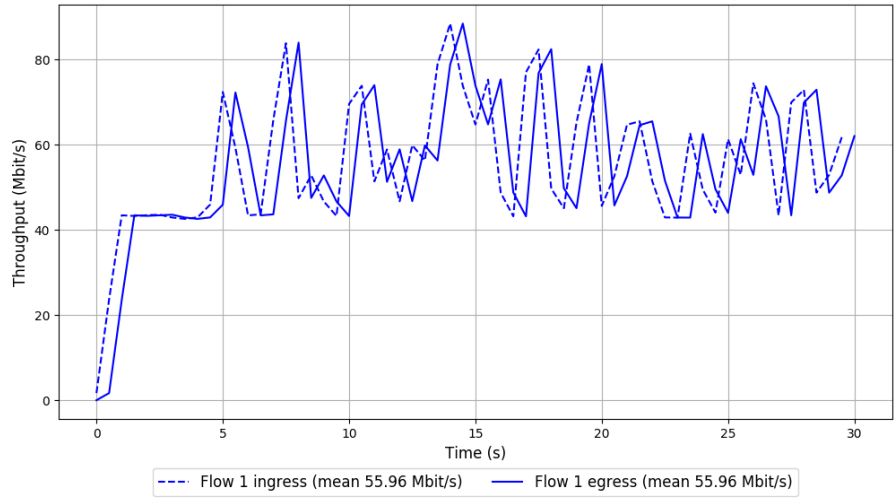
-- Flow 1:

Average throughput: 55.96 Mbit/s

95th percentile per-packet one-way delay: 1.742 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

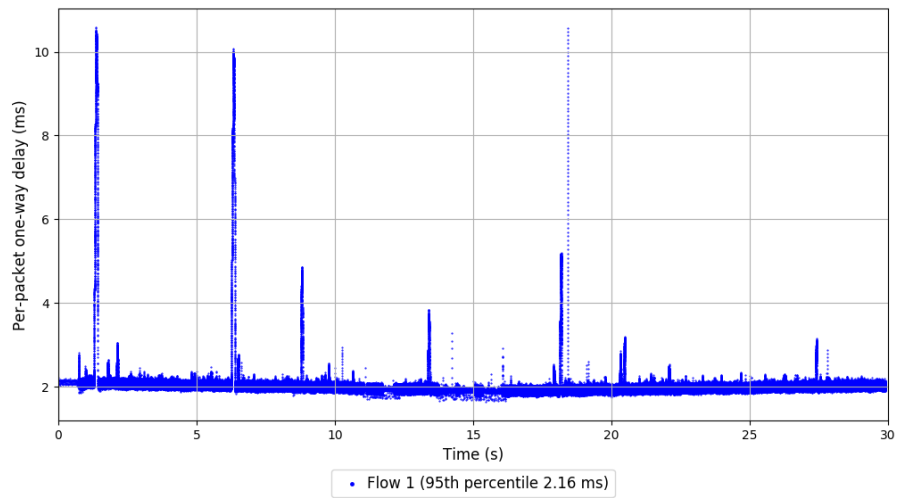
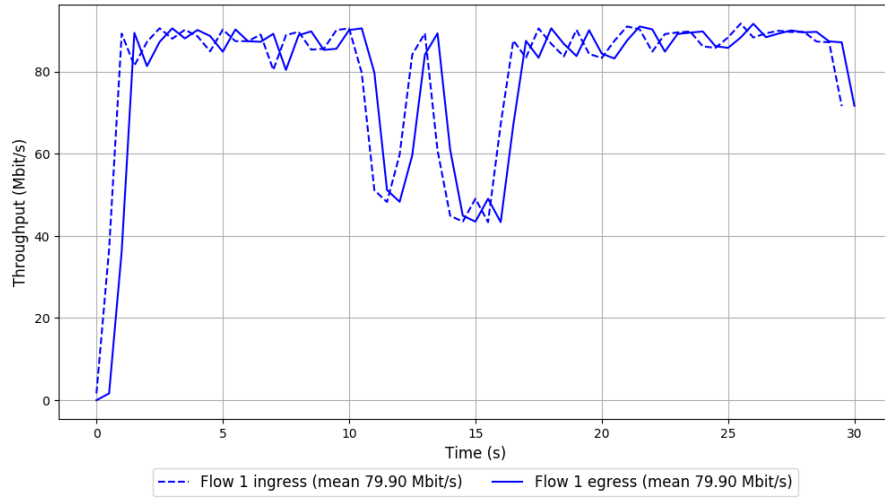


Run 2: Statistics of PCC-Vivace

Start at: 2020-02-17 21:57:21
End at: 2020-02-17 21:57:51
Local clock offset: -16.268 ms
Remote clock offset: -0.19 ms

Below is generated by plot.py at 2020-02-17 23:54:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.90 Mbit/s
95th percentile per-packet one-way delay: 2.160 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 79.90 Mbit/s
95th percentile per-packet one-way delay: 2.160 ms
Loss rate: 0.01%

Run 2: Report of PCC-Vivace — Data Link

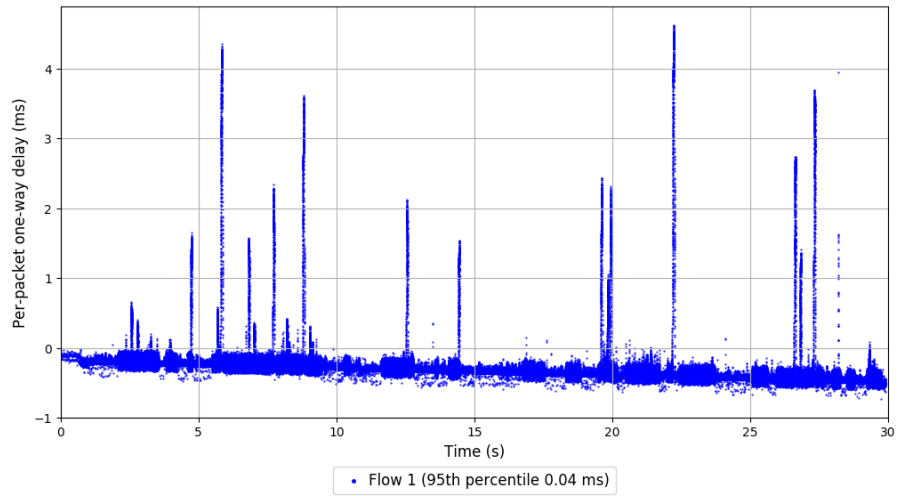
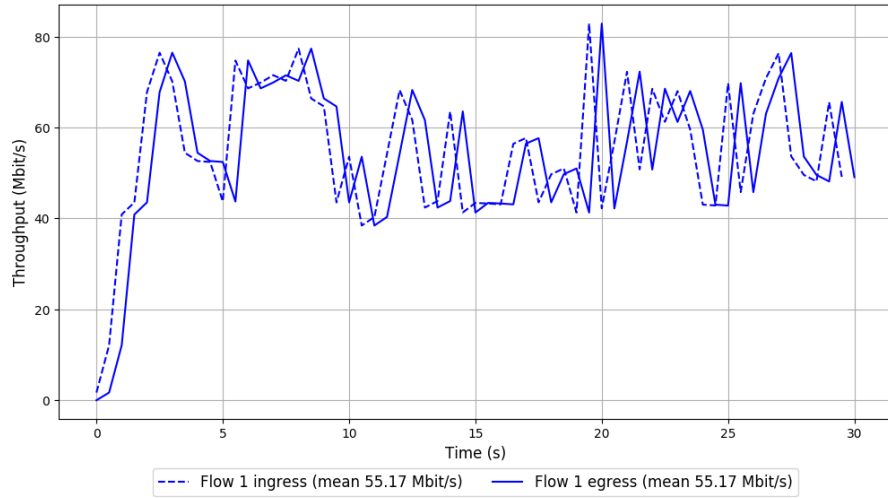


Run 3: Statistics of PCC-Vivace

Start at: 2020-02-17 22:24:02
End at: 2020-02-17 22:24:32
Local clock offset: -23.013 ms
Remote clock offset: 0.011 ms

Below is generated by plot.py at 2020-02-17 23:54:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.17 Mbit/s
95th percentile per-packet one-way delay: 0.038 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.17 Mbit/s
95th percentile per-packet one-way delay: 0.038 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

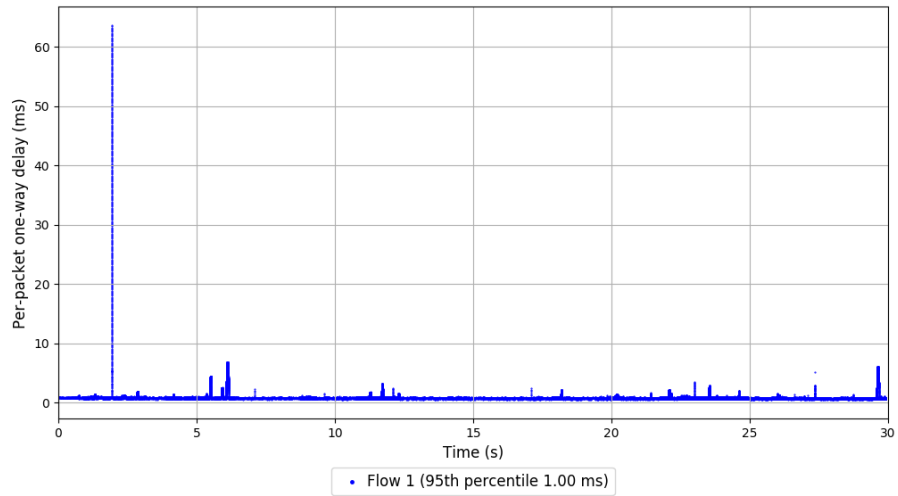
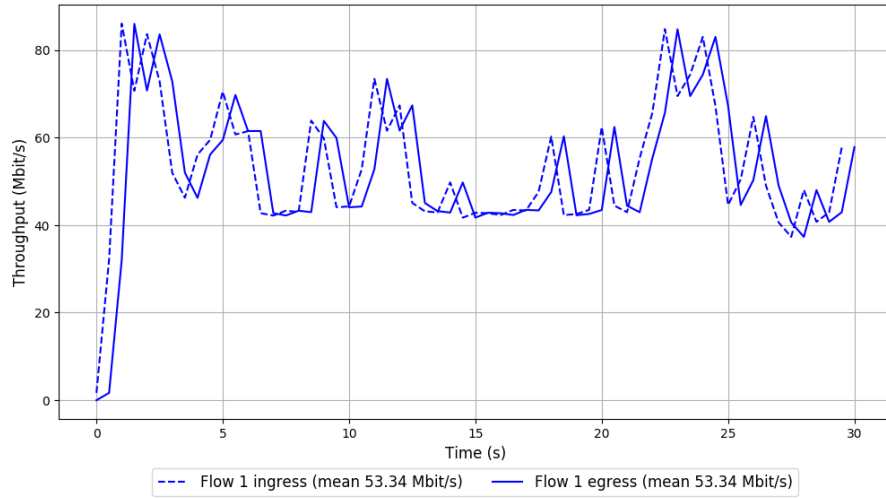


Run 4: Statistics of PCC-Vivace

Start at: 2020-02-17 22:50:41
End at: 2020-02-17 22:51:11
Local clock offset: -14.695 ms
Remote clock offset: 0.245 ms

Below is generated by plot.py at 2020-02-17 23:54:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.34 Mbit/s
95th percentile per-packet one-way delay: 0.999 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.34 Mbit/s
95th percentile per-packet one-way delay: 0.999 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2020-02-17 23:17:18

End at: 2020-02-17 23:17:48

Local clock offset: -9.179 ms

Remote clock offset: 0.42 ms

Below is generated by plot.py at 2020-02-17 23:54:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.30 Mbit/s

95th percentile per-packet one-way delay: 1.309 ms

Loss rate: 0.00%

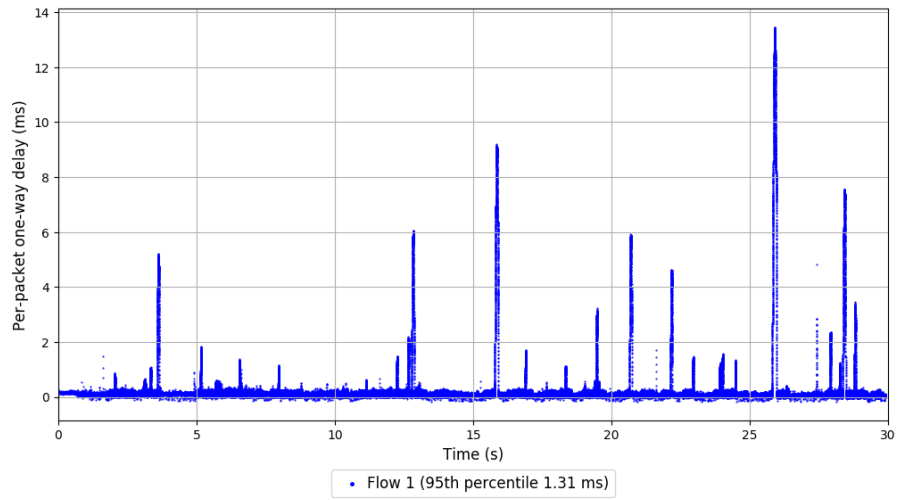
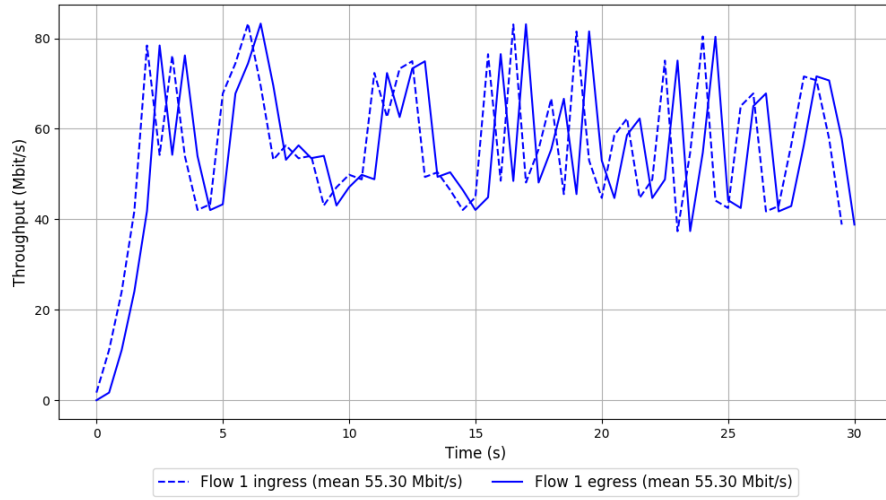
-- Flow 1:

Average throughput: 55.30 Mbit/s

95th percentile per-packet one-way delay: 1.309 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

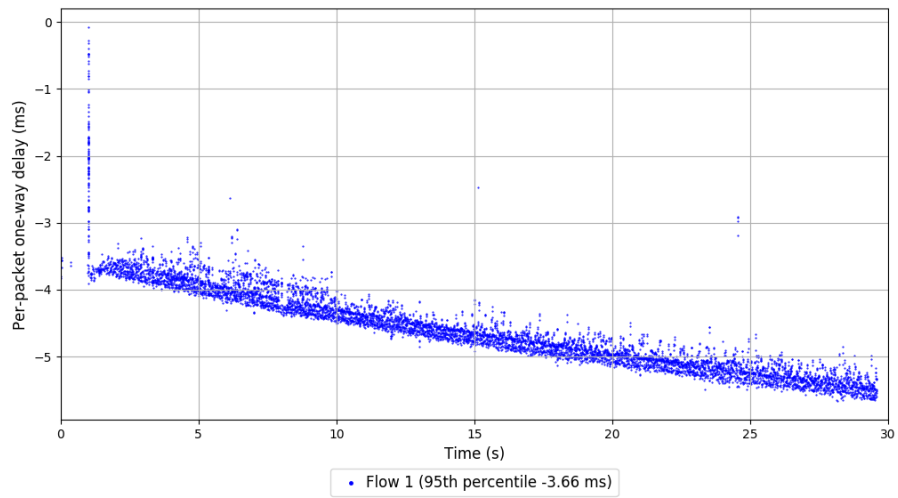
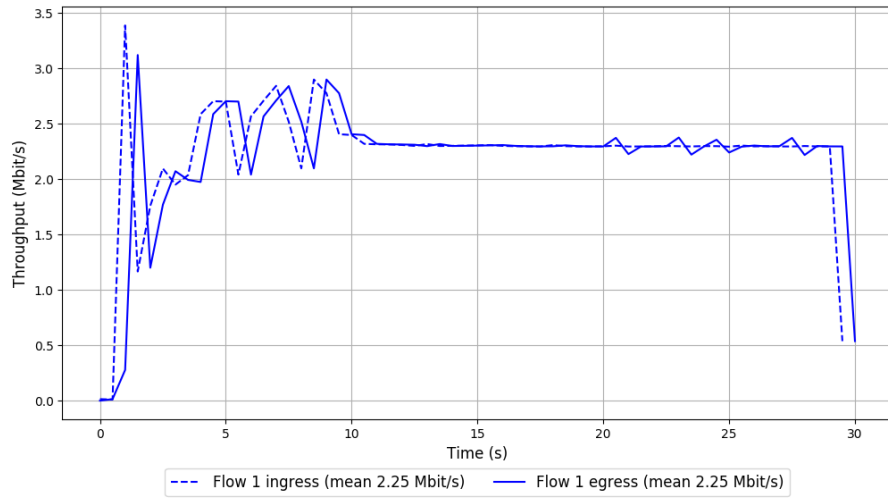


Run 1: Statistics of WebRTC media

Start at: 2020-02-17 21:29:40
End at: 2020-02-17 21:30:10
Local clock offset: -0.677 ms
Remote clock offset: -0.592 ms

Below is generated by plot.py at 2020-02-17 23:54:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: -3.659 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: -3.659 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

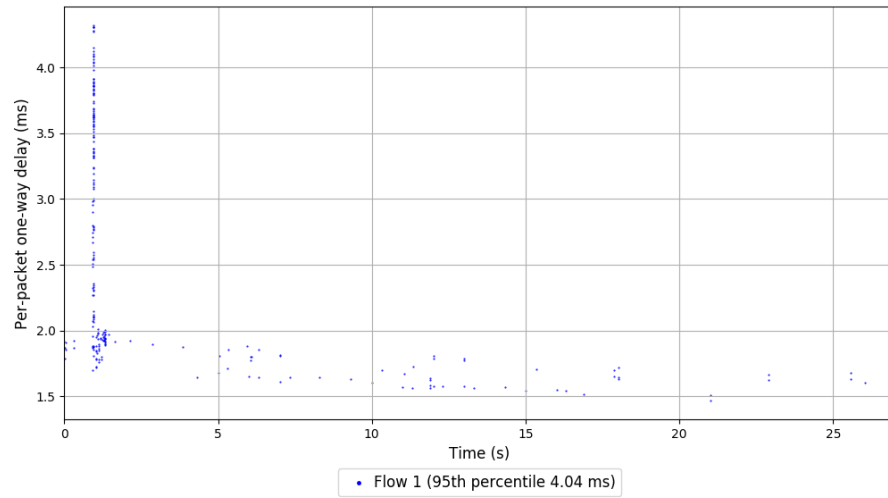
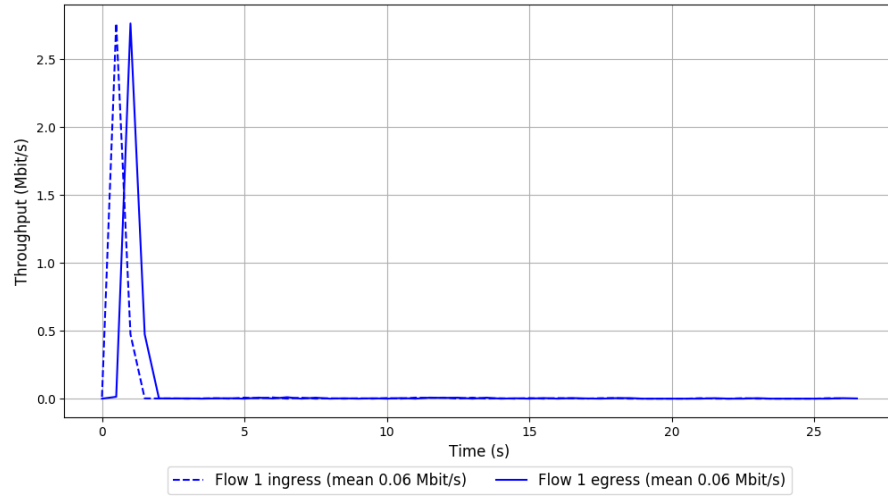


Run 2: Statistics of WebRTC media

Start at: 2020-02-17 21:56:16
End at: 2020-02-17 21:56:46
Local clock offset: -15.498 ms
Remote clock offset: -0.329 ms

Below is generated by plot.py at 2020-02-17 23:54:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.042 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.042 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2020-02-17 22:22:57

End at: 2020-02-17 22:23:27

Local clock offset: -23.01 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2020-02-17 23:54:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 3.348 ms

Loss rate: 0.00%

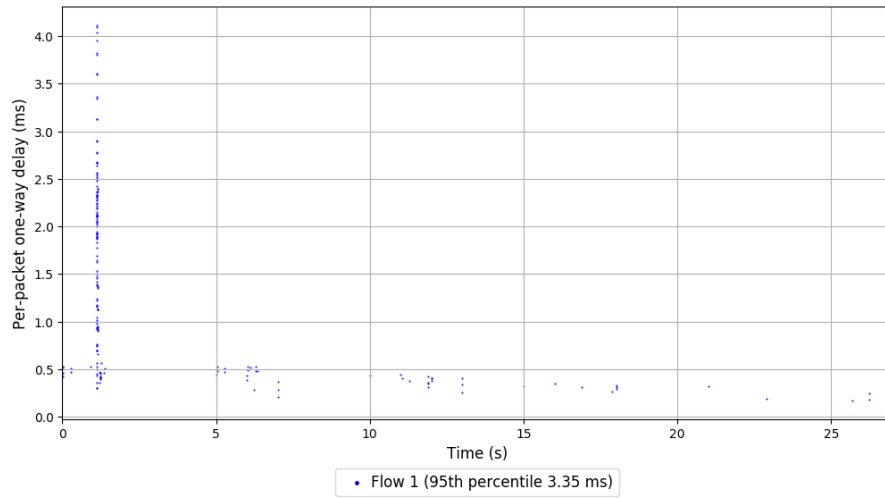
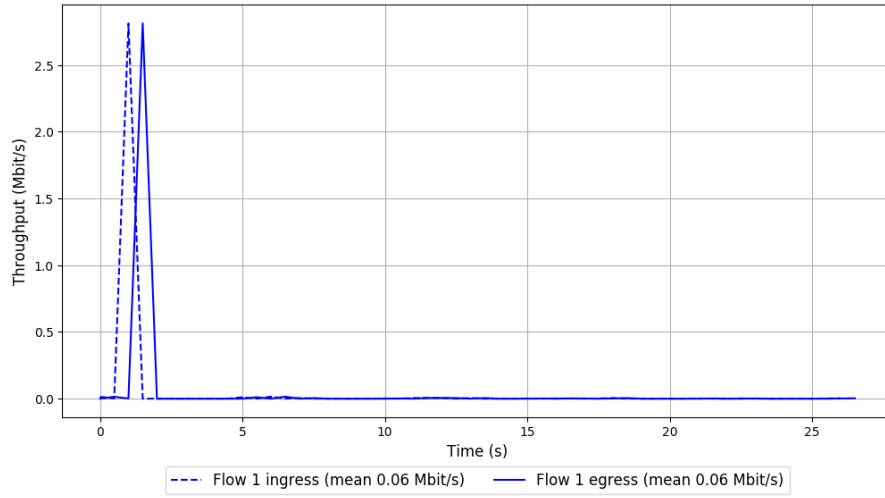
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 3.348 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

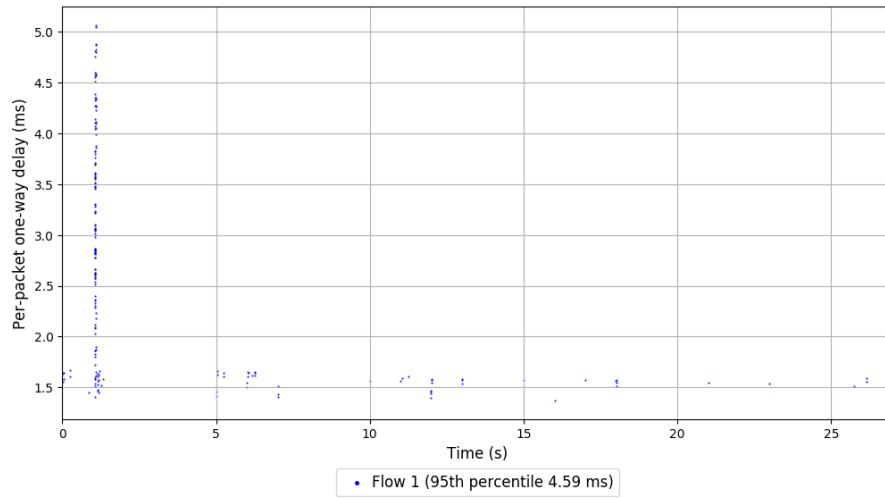
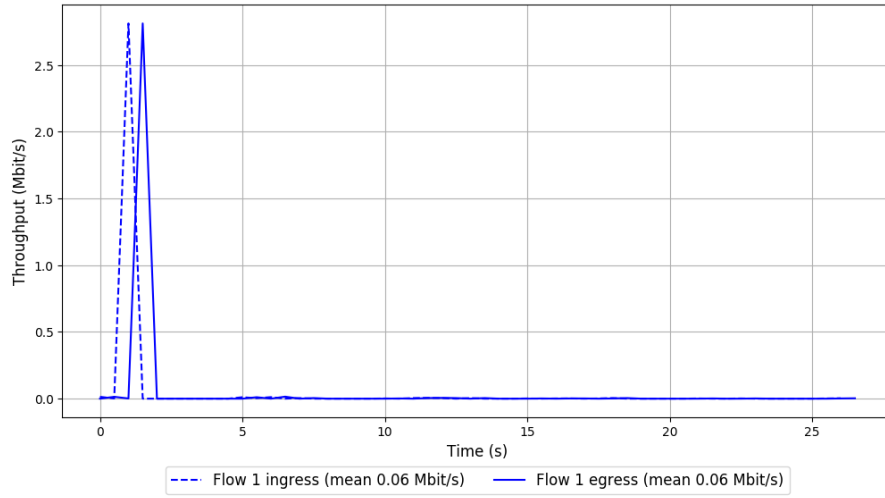


Run 4: Statistics of WebRTC media

Start at: 2020-02-17 22:49:36
End at: 2020-02-17 22:50:06
Local clock offset: -13.789 ms
Remote clock offset: 0.308 ms

```
# Below is generated by plot.py at 2020-02-17 23:54:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.589 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.589 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2020-02-17 23:16:14

End at: 2020-02-17 23:16:44

Local clock offset: -9.933 ms

Remote clock offset: 0.358 ms

Below is generated by plot.py at 2020-02-17 23:54:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 3.536 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 3.536 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

